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DIRECTORY OF COLLEGE COURSES IN RADIO AND TELEVISION SCHOOL YEAR 1961-1962.

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A DIRECTORY OF COLLEGE COURSES IN RADIO AND TELEVISION FOR THE SCHOOL YEAR 1961-62 HAS BEEN PREPARED, WHICH IS THE 12TH REVISION WHICH THE U.S. OFFICE OF EDUCATION HAS COMPILED AND ISSUED PERIODICALLY SINCE 1942. INFORMATION FOR THE PUBLICATION WAS OBTAINED FROM QUESTIONNAIRES MAILED IN 1960 TO THE REGISTRARS OF NEARLY 1,900 INSTITUTIONS LISTED IN THE OFFICE OF EDUCATION'S "DIRECTORY, PART 3--HIGHER EDUCATION." THE DIRECTORY IS PRIMARILY INTENDED TO SERVE PERSONS INTERESTED IN NONTECHNICAL ASPECTS OF BROADCASTING, YET A FEW INSTITUTIONS REPORTING BROADCAST ENGINEERING PROGRAMS ARE INCLUDED. INSTITUTIONS ARE LISTED ALPHABETICALLY BY STATE AND BY NAME. THE INFORMATION IS ARRANGED AS FOLLOWS--NAME OF INSTITUTION, LOCATION, DEGREE DESIGNATED, AND, WHEN POSSIBLE, THE NAME OF THE PERSON IN CHARGE OF RADIO-TELEVISION INSTRUCTION. A TOTAL OF 47 STATES, INCLUDING ALASKA AND THE DISTRICT OF COLUMBIA, ARE REPRESENTED. (JC)

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
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DIRECTORY OF COLLEGE COURSES IN RADIO AND TELEVISION

SCHOOL YEAR 1961-1962

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U. S. DEPARTMENT OF
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INTRODUCTION

The purpose of this study was to gather and report basic information on courses in broadcasting education offered in colleges and universities throughout the country. The new Directory of College Courses in Radio and Television for the school year, 1961-62, is the twelfth revision that the Office of Education has compiled and issued periodically since 1942. This revision was prepared pursuant to a contract with the U.S. Office of Education and The American University, Washington, D. C. Experience has shown that the directory serves a useful purpose for school and college administrators, high school and college teachers, guidance counselors, individual students, and various representatives of the broadcasting industry.

This publication would not have been possible without the continuing cooperation of many individuals who have contributed detailed information on the courses and degree programs in radio-television offered by the institutions at which they taught, and we gratefully acknowledge their interest and assistance.

Information for this directory was obtained from the questionnaires mailed in 1960 to the registrars of nearly 1900 institutions listed in the Office of Education's Directory, Part 3: Higher Education. Those replies reporting radio-television courses were later checked for verification or changes. No institution which showed offerings of fewer than three courses or which did not give evidence of adequate training facilities, has been included in this directory of courses.

Many significant changes are to be noted in the reported 300 institutions offering radio-television courses. While the number of schools in the new directory is only one more than in the 1957-58 edition, 49 of them are new entries. Many schools previously listed reported their courses in broadcasting education had been dropped. However, in the courses which are now offered by many of the degree-granting institutions, notable changes and expansions have been made. This is due in part to the growth of the broadcasting industry and its increasing demands for professionally trained personnel.

In addition to studies in the areas of management, sales, advertising, programming, and engineering, there is evidence of increased interest in other phases of broadcasting.

New and expanded course sequences are noted here in such areas as educational programming and its utilization, television film production and editing, broadcast journalism, and the preparation of documentaries for radio and television.

Equally significant is the growing development of educational broadcasting and its effect upon curricular changes. Listed for what we believe is the first time are courses in communications methodology in education, preparation and presentation of radio and television programs for elementary grades and for high school, instructional methods in educational radio and television, and educational radio-television station management.

Indicative of the variety of radio-television courses are some of the course titles appearing in this directory for the first time. Among these are: "Musical Composition for TV," at the University of Southern California; "Agricultural Communication," at North Dakota Agricultural College and the University of Rhode Island; "Animation Workshop," at Columbia University; and "Home Economics on Radio and TV," at Stout State College in Wisconsin.

The demand for summer workshop training in radio or television is evident from the number of schools reporting such courses. These are indicated by (S) at the end of their listing.

While this directory is primarily intended to serve persons interested in nontechnical aspects of broadcasting, a few institutions reporting extensive broadcast engineering programs have been included.

Recognition of the social significance of broadcasting is reflected in the number of courses in communication psychology, market and audience research, mass media and society, communication research methods, and international communication.

As there is no standardization of course titles in broadcasting education curricula, individual titles have been used here to reflect more accurately the nature and scope of each school's offerings. In some instances, the titles used do not indicate the emphasis actually placed on radio-television study.

Institutions are listed alphabetically by State and by name. The information is arranged as follows: Name of institution, location, degrees designated, and, where possible, the name of the person in charge of radio-television instruction. Where there is a division of responsibility, a second name is sometimes given. If engineering courses are included, the second name is usually that of the person responsible for them. Engineering courses follow other radio-television subjects in listings where both appear.

The degrees indicated refer to an actual major in radio and television, under varying degree titles as shown. This study reports 113 institutions offering undergraduate and graduate degrees in this area. This compares with 85 degree-granting entries in the 1957 edition. Of the 113 noted here, 21 offer Ph. D. programs.

A total of 47 states, including Alaska, for the first time, and the District of Columbia, are represented. Reporting the greatest number of institutions with radio-television training is California with 25, followed by New York with 22, Illinois with 19, and Texas with 17.

For summary tables indicating the scope of course offerings, see Appendix, Pages 61 - 65.

DIRECTORY
OF
COLLEGE COURSES IN RADIO AND TELEVISION
1961 - 1962

A L A B A M A

*Alabama, University of, University. (A.B. & M.A. in Radio-TV) Donald Dixon.
TV workshop; survey of radio & TV; introduction to radio & TV; film for TV; motion picture history and criticism; broadcast advertising and copy; basic radio techniques; radio announcing; radio & TV news; basic TV techniques; radio programming; radio station procedures; advanced announcing; TV production and directing; problems in station administration; survey of educational radio & TV; advanced radio & TV writing; development of educational TV programs; broadcasting and society; station commercial management; introduction to graduate study in radio & TV; seminar in radio & TV programming; theories of communication; studies in educational TV; special problems in radio & TV. (S)

*Auburn University, Auburn. (B.A. in Speech) Frank B. Davis; James W. Sanders.
Radio workshops; TV workshop; introduction to radio & TV speech; public speaking; advanced radio broadcasting; elements of radio & TV production; radio & TV broadcasting; radio, TV & film writing; TV in education; communication modes in film; communication engineering I & II; radio transmission lines; antenna systems; radio frequency measurement; industrial electronics; industrial electronics & control circuits; frequency modulation; advanced UHF circuits; electric transients; telephone engineering; electric waves; applied electromagnetism; TV engineering. (S)

Howard College, Birmingham. G. Allan Yeomans.
Fundamentals of radio broadcasting; radio & TV news; playwriting; TV production; mass communications.

*Offers degree as indicated.

ALASKA

Alaska, University of, College. Lee H. Salisbury.
Radio workshop; public speaking; special writing topics; communications systems.

Alaska, University of, Anchorage Community College, Anchorage. Eugene Short.
Radio workshop; fundamentals of acting; public speaking; TV production; basic electronics; math for radiomen and electricians.

ARIZONA

*Arizona State University, Tempe. (B.A.; B.S. in Electrical Engineering) Richard H. Bell.
History of communication; radio & TV announcing; radio programming & production; radio-TV station management; radio & TV advertising; communications law; introduction to mass communication; educational TV; radio & TV in education; principles of photography; photography in education; TV production; radio-TV station operation; TV writing; radio-TV news; production of audio-visual aids; radio-TV drama; curriculum in electrical engineering includes: fundamentals of radio engineering; intermediate electronics; transmitter operations; elements of TV engineering.

Arizona, University of, Tucson. Ben C. Markland.
Fundamentals of radio-TV broadcasting; radio & TV news; radio & TV writing I & II; radio & TV production; radio & TV acting; radio & TV for teachers. College of Engineering offers graduate and undergraduate work in electrical engineering. (S)

Arizona, Phoenix College, Phoenix. Gilbert Mills.
Radio broadcasting I & II; radio broadcasting laboratory I & II; basic electronics I & II; advanced communications I & II; electricity for electronics I & II; transistor physics, UHF & microwave.

*Offers degree as indicated.

ARKANSAS

*Arkansas State College, State College. (B.S.) John E. Cramer.
Radio workshops; survey of broadcasting; radio announcing; radio news writing & broadcasting; radio copy writing; special events; radio station management; radio laws & policies; seminar; law of the press & radio.

Arkansas State Teachers College, Conway. Leona Scott.
Radio speech; radio dramatic writing; radio news writing.

Arkansas, University of, Fayettville. Norman DeMarco.
Radio-TV announcing; radio production; TV production; TV seminar; radio-TV systems; communication circuits; electronics I & II; electronics circuits I & II; electromagnetic radiation.

*John Brown University, Siloam Springs. (B.S. in Radio Production) Ralph C. Kennedy, Jr.
Advanced radio workshop; radio speech & production I & II; radio & TV writing I & II; radio & TV operation & management I & II; basic circuit theory; electrical communications; radio engineering; UHF communication; TV engineering; advanced electrical circuits.

CALIFORNIA

California State Polytechnic College, San Luis Obispo. Clarence Radius.
Offers full four-year program in electronic engineering for students interested primarily in application engineering, product development, test and evaluation, technical operations, and engineering sales.

*Offers degree as indicated.

California, University of, Berkeley, Los Angeles, Santa Barbara.
On Berkeley campus: Radio journalism; law of communications; research projects in communication.
*On Los Angeles campus: Department of Theater Arts. (A.B., M.A. Theater Arts) Rudolph Bretz.
Radio workshop; development of motion pictures and broadcasting; sound; editing; studio operations; camera; main currents in motion pictures; main currents in radio-TV; documentary & educational films; broadcast speech; writing for TV-radio; writing for motion pictures; manuscript evaluation & production; advanced motion picture sound; advanced motion picture photography; motion picture editing; color cinematography; advanced motion picture direction; advanced TV direction; motion picture workshop; TV workshop, radio & TV news communication; policies & problems of radio & TV broadcasting; advanced motion picture editing; seminar in documentary & educational film; seminar in fictional film; research projects in TV & radio; research projects in motion pictures; advanced problems in nondramatic radio & TV; production planning in motion pictures; production planning in TV & radio; mass communication as a social force.
On Santa Barbara campus: Rollin Quimby.
Radio broadcasting; TV broadcasting; laboratory.

Chico State College, Chico. Garrett L. Starmer.
Educational TV workshop; broadcasting; telecasting; radio & TV performance; advanced radio & TV performance.

*City College of San Francisco, San Francisco. (A.A.) Henry Leff.
Speech for theater, radio & TV; announcing for TV and radio; radio production; TV & radio script writing; TV workshop; TV survey; fundamentals of photography; fundamentals of motion picture production; motion picture workshop; visual communications; electronics I-IV. (S)

Dominican College of San Rafael, San Rafael. Sister M. Cyril, O.P.
Radio workshop; radio acting; radio production.

*Offers degree as indicated.

*El Camino College, El Camino College. (A.A.) Horace Bates.
Introduction to electronics; basic electronics I & II; semiconductors; circuit analysis I & II; electronic industrial instruments I & II; math of electronics I & II; electronic drafting I & II; printed circuits; radio repair & maintenance I & II; direct & alternating currents; circuitry analysis; audio amplifiers & FM: TV operation; navigational aids & radar; radio code I & II; communications I & II; radio teletype; TV maintenance & repair; color TV maintenance & repair.

*Fresno State College, Fresno. (A.B.) Edwin H. Lombard.
Radio & TV workshop; advanced radio & TV workshop; introduction to radio & TV; elementary radio production; elementary TV production; motion picture evaluation; telefilm production; stage & TV lighting; radio & TV continuity writing; radio & TV news broadcasting; radio & TV in education; radio & TV in education lab; advanced TV production; radio & TV station operation & programming; radio & TV direction; radio & TV announcing; projects in production; advanced radio & TV production; seminar in radio & TV communication; TV engineering; basic electronics; applied electronics; engineering electronics.

George Pepperdine College, Los Angeles. Fred L. Casmir.
Radio, TV and society; radio writing and production; TV programming and production.

*Humboldt State College, Arcata. (B.A. in Speech) Dale N. Anderson.
Radio-TV workshop; advanced TV workshop; radio & TV survey; radio-TV speech; radio-TV production & directing; radio-TV writing; field training in radio & TV; radio commercial operations; TV lighting; special problems. (S)

LaSierra College, Arlington. W. F. Tarr.
Fundamentals of broadcasting I & II; radio-TV production; broadcast techniques I & II; radio engineering practice I & II.

*Offers degree as indicated.

Long Beach State College, Long Beach.
Introduction to radio & TV; advanced TV-radio production; TV & radio writing; preparation and utilization of audio-visual materials I & II; curriculum integration of audio-visual education materials; administration of audio-visual programs; audio problems and technics; seminar in audio-visual education; electronics I & II; TV & FM principles; engineering electronics I & II; engineering electronics lab I & II.

Los Angeles City College, Los Angeles. Julia Cray; Bernhard Fischer.
TV workshop; fundamentals of radio & TV broadcasting; radio & TV survey; voice & diction for radio & TV; microphone technique; radio & TV acting; radio & TV announcing; control room operation; radio & TV dramatic writing; radio continuity writing; radio drama workshop; radio & TV sales & advertising; TV programming & production; fundamentals of electronics; vacuum tubes; electronics lab; basic electric circuits; mathematics of electronics; communication electronics; introduction to microwaves; TV fundamentals; transistors; TV fundamentals lab; audio measurements; radio lab; compatible TV.

Occidental College, Los Angeles. John Lueken.
Radio & TV production principles; radio-TV production practice; TV laboratory.

*Pacific, College of the, Stockton. (A.B. & A.M.) Howard Runion.
Radio-TV workshops; fundamentals of radio-TV; radio & TV drama; applied radio-TV; radio production lab; TV production lab; TV drama writing; continuity writing; radio-TV station management; advertising; marketing; community and public relations; radio-TV & society; public opinion; applied radio-TV engineering.

Pacific Union College, Angwin. T. W. Benedict.
Introduction to broadcasting I & II; program production; broadcasting techniques; introduction to radio writing; news writing; introduction to communication theory; principles & forms of communication; fundamentals of radio & TV engineering I & II; TV systems I & II; electronic techniques in physics research.

*Offers degree as indicated.

Pasadena City College, Pasadena.
Fundamentals of radio broadcasting; radio writing; radio production; radio controls laboratory. (S)

Pasadena College, Pasadena. James H. Jackson.
Radio workshop; introduction to broadcasting; radio speech; elements of play production; electronics.

Sacramento State College, Sacramento.
Radio & TV speech; radio & TV production; radio & TV seminar; audio-visual education; problems in audio-visual instruction.

St. Mary's College of California, St. Mary's College. Brother U. Benedict.
Radio workshop; radio speech; program production.

*San Diego Junior College, San Diego. (A.A.) Paul A. Roman.
Radio workshop; introduction to radio & TV; radio announcing & continuity writing; radio script writing; radio production; program planning; radio monitoring; traffic control; radio sportscasting; theory of radio & TV engineering communication; radio-TV maintenance; communication lab; industrial electronics. (S)

* San Diego State College, San Diego. (B.S. in Broadcasting; B.A., M.A. in Speech Arts) Kenneth K. Jones, Jr.
Backgrounds in broadcasting; radio-TV technical operations; radio programming and production; TV programming and production; motion picture techniques for TV; educational broadcasting, programming, & production; educational TV workshop; scene design for stage & TV; stage & TV lighting; radio-TV station operation; radio-TV & film program planning & development; advanced dramatic production; technical operations & staging for radio & TV; production directing & presentation for radio, TV & film; radio & TV news; seminars & special projects. Technical courses offered in the Division of Engineering.

*Offers degree as indicated.

*San Francisco State College, San Francisco. (B.A. & M.A.)
Stuart W. Hyde.
Radio-TV workshop; broadcast communication; backgrounds in broadcasting; fundamentals of audio control; TV studio operation; radio & TV announcing I & II; issues in contemporary broadcasting; radio-TV-film rehearsal & performance; radio production; criticism in popular arts; economic aspects of broadcasting I & II; station operations; radio & TV music; educational broadcasting; TV & film aesthetics; TV directing; advanced TV directing; production design for TV & film; motion picture production; documentary film; radio & TV writing; TV dramatic writing; radio & TV news; graduate study in broadcasting; educational TV seminar; radio production directing; broadcasting & society; film for TV. (S)

*San Jose State College, San Jose. (B.A. in Radio-TV)
Clarence E. Flick.
Radio-TV workshop; broadcast communication; radio production; TV production; advanced radio-TV production; radio-TV writing; radio-TV for teachers; radio-TV news writing; principles of photography; elements of radio engineering; introduction in electronics; communications engineering. (S)

*Southern California, University of, Los Angeles. (A.B. & A.M. in Telecommunications; Ph. D. in Communications) Kenneth Harwood.
Radio workshop; TV workshop; fundamentals of telecommunications; telecommunications acting; announcing I & II; production I & II; lab I & II; problems of production; workshop for high school students; writing I & II; problems in writing; radio-TV journalism; programing; seminar in management; advertising I & II; sales adminstration; audience measurement; seminar in audience measurement; public relations & publicity; seminar in public relations & publicity; policy & regulation; criticism; seminar in criticism; survey of mass communication; analysis of content; seminar in analysis of content; literature of broadcasting; theories of broadcast communication; educational uses of radio-TV & recording; fundamentals of photography; elements of film production; musical composition for TV; TV & radio law; radio engineering; TV engineering; microwave engineering; control room operation; electromagnetic engineering; communication information theory; electronics I & II. Summer only: Comparative Broadcasting. (S)

*Offers degree as indicated.

CALIFORNIA (Continued)

*Stanford University, Stanford. (B.A. & M.A. in Radio-TV-Film) Stanley T. Donner.
Theory of radio-TV-film; practice of radio-TV-film; experimental radio-TV-film; beginning & advanced writing; broadcasting & film criticism; content & style of broadcasting & film; TV production survey; projects in broadcasting & film; communications & society; behavioral sciences in broadcasting & film; methods of communications research; proseminar and seminars in broadcasting & film; summer Radio-TV-Film Institute includes 13 courses in social influence, development, planning, production, programming, and management of radio-TV-film. (S)

COLORADO

Adams State College, Alamosa. B. Threlkeld.
Radio workshop; radio speaking; introduction to radio broadcasting; radio continuity writing; radio acting; mass media of communication.

Colorado College, Colorado Springs, Woodson Tyree.
Radio production; advanced radio production; station management. (S)

Colorado, University of, Boulder. James M. Ward.
Introduction to radio & TV; radio & TV production; radio & TV programming.

*Denver, University of, Denver. School of Communication Arts. (B.A. & M.A.) R. Russell Porter.
Radio-TV workshop; introduction to mass communications media; radio acting; radio speech; radio announcing; radio program production; radio program directing; radio script and drama writing; radio journalism; continuity writing; problems in radio management; radio-TV advertising; radio & TV in education; practicum in educational radio & TV; radio law; TV orientation; TV writing; TV acting; TV production; research in TV; seminar in TV in instruction. (S)

*Offers degree as indicated.

CONNECTICUT

Connecticut, University of, Storrs. David C. Phillips.
Radio & TV workshop I & II; introduction to radio & TV.

Hartford, University of, Hartford. John Balmer.
TV workshop; TV tutorial; utilization of educational TV.

Hillyer College, Hartford. Robert DuFour.
TV workshop; communications; journalism & news writing; fundamentals of electronics.

South Connecticut State College, New Haven. Michael F. Hannon.
Workshop in educational TV; TV production; utilization of TV in the classroom; teaching by TV. (S)

Yale University, New Haven. A. G. Conrad.
TV program production; playwriting for TV; radio engineering and electronic applications; TV engineering; communication circuits and systems; electronics; advanced electronics; UHF; semiconductors; microwaves; functional circuits.

DISTRICT OF COLUMBIA

*American University, Washington, D.C. (B.A. & M.A. in Speech Arts) Don Williams.
Broadcasting practices; TV-radio procedures; introduction to broadcasting; radio production & direction; TV studio operations; TV-radio writing; TV-radio dramatic writing; teaching with TV and radio; film production; TV production & direction; TV production lab; radio-TV programming; broadcasting in the public interest; TV-radio news writing; advanced TV-radio news writing; mass media in society; seminar in broadcasting; history of motion pictures; visual communication; audio-visual techniques. (S)

*Capital Radio Engineering Institute, Washington, D.C. (A.A.S.)
Lattie M. Upchurch, Jr.
Electronics circuit theory; magnetic circuit theory; TV circuit theory; communication circuit theory; electron tube theory; TV theory; optics & electron optics theory; RF circuit theory; audio circuit theory; transmitter circuit theory; propagation & radiation; physics & electronics; UHF circuit theory; UHF vacuum tube theory

*Offers degree as indicated.

DISTRICT OF COLUMBIA (Continued)

George Washington University, Washington, D.C. L. P. Leggette.
Fundamentals of radio & TV broadcasting; electronic devices & systems lab; high-frequency communications lab; electronic circuits & systems.

Howard University, Washington, D.C. Ernest H. Welch.
Radio & TV announcing; communication engineering; basic electronics; advanced electronics; industrial electronics & control; pulse techniques.

*Marjorie Webster Junior College, Washington, D.C. (A.A. in Speech) Patricia Beall Hamill.
Fundamentals of radio-TV with lab; fundamentals of radio-TV advanced; radio & TV programming; radio & TV production & directing; advanced production & directing.

FLORIDA

Barry College, Miami.
Fundamentals of broadcasting; introduction to radio & TV internship; introduction to playwriting.

*Florida Agricultural and Mechanical University, Tallahassee. (B.S. in Industrial Education) J. W. Boardley.
Radio essentials; basic electricity; radio technology I & II; principles of electronics; code; radio-TV servicing; radio-TV problems; industrial work experience; transmitters; industrial electronics; TV technology & laboratory.

Florida Southern College, Lakeland.
Introduction to radio & TV; radio & TV writing & speaking; educational TV; electronics.

*Offers degree as indicated.

*Florida State University, Tallahassee. (B.A. in Radio & TV) Thomas G. Wright.
Introduction to radio & TV; radio recordings & TV in the school curriculum; motion picture production; radio-TV station operation programming; educational TV; TV for teachers; studio teaching in TV; TV in the school and community; writing for broadcasting I & II; laboratory in technical theatre-TV; costume design for stage & TV; TV production; speech for TV & radio I & II; lighting for stage and TV; dramatic writing for stage and TV; TV production problems; study projects in radio & TV; radio & TV advertising; cinematography; audio-visual materials. (S)

*Florida, University of, Gainesville. (B.S. in Broadcasting) Rae O. Weimer.
Survey of communications; voice and diction; broadcast announcing; radio programming and production; writing for mass communications; radio-TV reporting; radio writing; TV writing; advanced radio production; radio-TV advertising; individual problems; communications seminar; law of press and radio-TV; television production; photography; public opinion; contemporary affairs; advanced TV production & programming; principles of marketing; teaching through TV; pulse circuitry; pulse circuitry lab; communication engineering I & II; communication engineering lab I & II; electronics I & II; electronics lab I & II. (S)

*Miami, University of, Coral Gables. (A.B.) Paul Nagel, Jr.
Radio workshop; TV production workshop; motion picture production direction workshop; radio-TV survey; script writing; radio news writing; TV news; continuity writing; lab projects; radio-TV advertising & selling; control of radio-TV-films; effects of mass media; radio-TV film programming; principles of photography; internship; TV production-direction; TV studio procedures; radio-TV performance.

*Offers degree as indicated.

FLORIDA (Continued)

Rollins College, Winter Park. M. P. Frutchey.
Radio production technique; applied radio production; radio station techniques; radio station operation.

St. Petersburg Junior College, St. Petersburg. Robert C. Bohan.
Survey of broadcasting; television announcing; radio-TV writing; techniques of TV production; laboratory projects; basic photography.

Tampa, University of, Tampa. John J. Von Szeliski.
Fundamentals of radio & TV; radio announcing; radio & TV writing; radio-TV speech.

GEORGIA

*Armstrong College of Savannah, Savannah. (A.S. in Electronics and Communication Technology) Col. W. L. Travis.
Radio & TV workshop; elements of radio & TV engineering; communications circuits; communications technology I & II; television technology; basic electronics; industrial electronics; advanced electronics.

*Georgia, University of, Athens. (A.B. & M.A. in Journalism) Worth McDougald.
Radio performance; radio acting; radio directing; radio-TV news, management of broadcasting stations; radio-TV advertising; laws of communication; introduction to broadcasting; TV performance; television; radio-TV programming; photography. (S)

Shorter College, Rome. Mrs. A. H. Richardson.
Fundamentals of broadcasting; radio acting & production; radio news broadcasting.

*Offers degree as indicated.

IDAHO

*Idaho State College, Pocatello. (B.A. in Speech) Carl L. Isaacson.
Radio workshop; introduction to TV & radio broadcasting; radio announcing; elements of radio production; radio music ensemble; mass communications; law of the press; fundamentals of TV production; playwriting for stage, radio and TV; basic electronics I & II; intermediate electronics I & II; advanced electronics I & II.

*Idaho, University of, Moscow. (B.A.) Mr. Snyder.
Radio-TV lectures; introduction to radio-TV broadcasting; recording and broadcasting techniques; radio production; introduction to TV production; advanced TV production; broadcast speech; announcing; advanced broadcasting techniques; commercial broadcasting; radio-TV news; TV performance; broadcasting music; program planning; educational uses of radio-TV; broadcasting codes and regulations; radio-TV field work. Summer only: radio-TV-workshop; radio-TV institute. (S)

ILLINOIS

Barat College of the Sacred Heart, Lake Forest. Mrs. Enid Donnelly Alleman.
Radio workshops; acting; fundamentals of speech; oral interpretation; commercial skills.

Bradley University, Peoria. Henry C. VanderHeyden.
Introduction to radio & TV; radio production & directing; play production; TV production & directing; radio & TV advertising; radio & TV repair.

Carthage College, Carthage.
Radio & TV production; acting; speech, news reporting & editing; fundamentals of electronics.

*Offers degree as indicated.

*Columbia College, Chicago. (B.A. & M.A.) Daniel D. Howard.
Fundamentals of radio broadcasting; world broadcasting and communications; radio speech; radio announcing; record programs; radio-TV interviewing; radio-TV news; radio-TV news presentation; special interest programming; radio-TV sports; fundamentals of TV; TV workshop; TV programming; TV production; TV production supervision; TV commercial production; radio-TV in education; TV in education; TV studio facilities; TV writing; TV commercial writing; TV journalism; principles of photography; problems in color production; problems in video tape production; radio-TV time sales and management; TV advertising; TV drama. The College also offers a full program in motion pictures and audio-visual materials. (S)

DePaul University, Chicago. James R. Taylor.
Radio workshop; program production; program directing; TV advertising.

Eastern Illinois University, Charleston. Steven M. Buck.
Radio speaking; radio program directing; radio writing.

Greenville College, Greenville. W. Brock Brentlinger.
Radio workshop; radio program production; advanced radio program production.

Illinois Institute of Technology, Chicago. E. R. Whitehead.
Electronics; electronic circuits; circuit analysis; communication circuits; UHF wave & transmission; radio engineering. Graduate: radio engineering I & II; TV engineering I & II; network theory I & II; transients I & II; advanced microwaves I & II; transistor circuits I & II; advanced electronics and magnetism I & II; radiation theory; antenna theory.

Illinois State Normal University, Normal. Ralph L. Smith.
Radio & TV workshop; introduction to radio & TV; social and educational aspects of radio & TV; introduction to radio servicing. (S)

*Offers degree as indicated.

*Illinois, University of, Urbana. (B.S. in Communications; M.S. in Radio & TV; Master of TV) Hubert V. Cordier.
Principles of radio & TV broadcasting; radio & TV performance; radio & TV announcing; radio production and direction; radio script writing; radio news; radio & TV station management; radio & TV advertising; advanced radio & TV practices; special problems in radio & TV; TV laboratory; TV directing; TV script writing; TV news; photojournalism; cinematography for TV; TV staging & lighting; research methods for press, radio & TV; mass communications in a democratic society; social aspects of mass communications; political economy of communications; seminar radio & TV; research in special topics in radio & TV; thesis in radio & TV. The university also offers, in the College of Engineering, a four-year comprehensive program in electrical engineering, including radio & TV.

MacMurray College, Jacksonville. James L. Meikle.
Radio & TV broadcasting; radio & TV production; acting; independent study.

Millikin University, Decatur. Mrs. Edith M. McNabb.
TV-radio workshop; introduction to TV & radio; special projects; creative projects; seminar; techniques of TV production.

Mundelein College, Chicago. Sister M. Jeanelle.
Radio & TV techniques; educational radio & TV; TV & radio script writing.

Northern Illinois University, DeKalb. Robert Brown.
Oral communication for teachers; educational radio & TV; educational TV programming. (S)

*Offers degree as indicated.

*Northwestern University, Evanston. (B.S.; M.A. & Ph.D. in Speech; B.S., M.S. in Journalism) Charles F. Hunter; Baskett Mosse.
Introduction to radio; radio-TV acting; TV performance; radio-TV announcing; advanced radio production; radio-TV dramatic writing; TV & radio continuity writing; program planning & building; TV in education; introduction to TV; TV production; TV directing; TV & film criticism; internship in TV production; TV station operation; principles of radio & TV; TV advertising production; TV & radio news writing & broadcasting; TV & radio news writing & editing I & II; TV and radio local & regional news; TV news I & II; TV & radio news operations I & II; special events; studies in history of broadcasting; studies in psychological & sociological aspects of broadcasting; studies in writing for broadcasting; mass media and society; seminar in problems in mass media research. (S)

Rosary College, River Forest. Robert Thompson.
Radio workshop; radio speech; radio acting; radio writing.

*Southern Illinois University, Carbondale. (B.S. in Communications) Buren C. Robbins.
Survey of broadcasting; radio-TV speaking; radio announcing; TV announcing; fundamentals of broadcast writing; TV documentary and dramatic writing; radio news writing; basic TV writing; advanced TV writing; basic radio production; radio-TV production survey; fundamentals of TV production; advanced TV production; advanced radio production laboratory; advanced TV production laboratory; films for TV; newscasting; sportscasting; publicity and promotion; advertising and sales; radio station management; TV station management; broadcast persuasion factors; broadcast programs and audiences; broadcast program planning; radio-TV in education; religious radio-TV programming; individual production problems; individual research problems. (S)

Western Illinois University, Macomb. Jeannette N. Terrill.
Radio workshop; introduction to radio; TV, radio, and society; radio & TV speech; radio & TV production; radio journalism; educational TV introduction to electronics; advanced electronics.

*Offers degree as indicated.

ILLINOIS (Continued)

Wheaton College, Wheaton. Edwin Hollatz.
Introduction to radio & TV; radio production; radio & TV writing; educational use of radio & TV. (S)

INDIANA

Ball State Teachers College, Muncie. R. J. Robbins.
Radio workshop; introduction to radio & TV; radio speech & production; radio directing practice; writing for radio & TV; radio practicum; radio & TV in education. (S)

*Butler University, Indianapolis. (B.S. in Radio & TV) Robert L. Montgomery.
Radio workshop; TV workshop; introduction to broadcasting; radio acting; radio speech; advanced radio & TV announcing; radio production; TV production; advanced radio & TV production; radio & TV newscasting; writing for radio & TV; music in broadcasting, basic theory of radio & TV; radio station management; use of radio & TV in classroom; electro-acoustics I & II. (S)

Depauw University, Greencastle. Elizabeth Turnell.
Fundamentals of radio; radio broadcasting I & II; radio & TV writing; radio & TV news writing; radio & TV in modern society; TV programming; speech project in radio; speech project in TV.

Evansville College, Evansville.
Radio speech & production; TV techniques; advanced TV techniques; communication engineering I & II; electronics; electromagnetic fields & microwaves; elementary industrial electronics.

*Offers degree as indicated.

*Indiana State College, Terre Haute. (A.B., B.S.,M.A., M.S. in Radio & TV) Clarence M. Morgan.
Radio workshop; TV laboratory workshop; introduction to radio broadcasting; radio speech; radio program production; fundamentals of radio directing; radio & TV writing; use of radio in classroom; introduction to TV; TV techniques; workshop in Air-TV; use of TV in classroom teaching; radio control room technique. (S)

*Indiana Technical College, Fort Wayne. (B.S. in Electronic Engineering; B.E. in Electrical Engineering) Ralph Carson.
Offers complete sequence of courses in electrical engineering and electronic engineering, leading to the above degrees.

*Indiana University, Bloomington. B.S., A.B. & M.A. in Radio & TV) Elmer G. Sulzer.
Introduction to radio & TV; radio & TV theatre seminar; elementary announcing; audio-production-direction; radio writing; radio & TV reporting & newswriting; practical work in radio & TV newscasting; radio & TV news editing; thesis; special projects; broadcast station management & programming; radio & TV advertising; radio & TV regulations; introduction to communications; proseminar in radio & TV; seminar in problems of contemporary broadcasting; foreign study in radio & TV; radio & TV in education; research in audio-visual communication; educational writing for radio & TV; TV production; TV direction; TV writing; utilization of TV films; communications history; international communications; communications law; press and society; radio-TV summer workshop. The university's School of Education offers additional audio-visual courses. (S)

Notre Dame, University of, Notre Dame. Thomas Stritch.
Telecommunications survey; telecommunications programming & production; documentary script writing; writing & editing news.

*Offers degree as indicated.

INDIANA (Continued)

*Purdue University, Lafayette. (B.S. in Speech and in Electrical Engineering; also graduate degrees in Electrical Engineering.) John D. Henderson, Thomas F. Jones.
Radio-TV orientation; introduction to broadcasting; radio speech; radio-TV announcing; radio-TV program production; radio-TV program directing; radio-TV writing; radio news writing; continuity writing; communication engineering I & II; advanced electronic tube theory; instrumentation; antennas & wave propagation; pulse techniques; modulation theory; random noise; information theory; waves & wave guides; electronic instrumentation and control circuits; particle-field interactions; communication networks I & II. (S)

St. Mary-of-the-Woods College, St. Mary-of-the-Woods. Sister Mary Olive.
Fundamentals of radio & TV; radio broadcasting; introduction to radio journalism.

*Valparaiso Technical Institute, Valparaiso. (B.S. in Electrical Engineering; two-year Technical Institute course leading to Associate Degree) R. Cloid Patton.
Announcing; electronics I - V; electronics lab I - V; code practice; color TV; electrical apparatus; electron tubes; amplifiers; electronic design; engineering lectures; industrial electronics I & II; industrial organization; law; service engineering I & II; service engineering lab; television; theses course; transistors and switching; transmitters; report writing.

IOWA

*Drake University, Des Moines. (B.A.) James S. Duncan.
Radio & TV workshop; radio acting; basic & advanced radio & TV announcing; radio & TV production; radio & TV directing; radio & TV continuity writing; radio problems; broadcasting methods; law of press & radio.

*Offers degree as indicated.

*Iowa State University of Science and Technology, Ames. (B.S.) James H. North.
Radio workshop; TV workshop; advanced TV workshop; telecommunicative arts; radio & TV speech; radio & TV advertising; law of communications; informative writing for radio & TV; radio & TV news; specialized news for radio & TV; special problems in communications; audience analysis; pictorial communication; motion picture techniques; TV production techniques; principles of radio & TV broadcasting; TV operation techniques; TV fundamentals; electronics; radio engineering; UHF Circuits; TV systems.

Iowa State Teachers College, Cedar Falls. Herbert V. Hake.
Radio workshop fundamentals of broadcasting; broadcasting practice.

*Iowa, State University of, Iowa City. (B.A.; M.A.; Ph. D. in Speech and Drama) Samuel L. Becker.
Radio workshop; TV workshop; introduction to radio & TV; speech in radio & TV; production methods in radio & TV; the TV and radio program; radio news; media management; advertising media; audience research; research in methods of mass communications; educational uses of radio & TV; law of mass communications; theatre techniques in TV; TV studio techniques; news photography; history & appreciation of the cinema; film theory; cinematography techniques; electron tubes & their application; UHF theory; electromagnetic theory. (S)

Morningside College, Sioux City. Fred W. Lee.
Radio production; news writing for radio & TV; commercial writing for radio & TV; TV production; TV announcing; TV drama.

Upper Iowa University, Fayette.
Radio acting; radio & TV announcing; radio in education; audio-visual methods.

Wartburg College, Waverly.
Radio workshop; radio program techniques; advanced radio program techniques.

*Offers degree as indicated.

KANSAS

Baker University, Baldwin City. B. A. Gessner.
Radio speech; advanced radio speech; principles of radio transmission; audio-visual education.

Fort Hays Kansas State College, Hays. Jack R. Heather.
Introduction to broadcasting; radio announcing; advanced radio announcing; radio production; radio news writing; radio continuity writing. (S)

Kansas State Teachers College, Emporia. Karl Bruder.
Radio-TV projects; radio-TV broadcasting; radio-TV dramatics; stage, radio, and TV diction; radio & TV announcing; radio-TV production; radio & TV laboratory; motion picture communication; photography; creative photography; problems in audio-visual writing; newspaper English; survey of audio-visual education; audio-visual lab; use of audio-visual materials; audio-visual research; introduction to audio-visual communication; research methods in audio-visual education; radio engineering; electronics. (S)

*Kansas State University, Manhattan. (A.B. & B.S. in Radio & TV; M.S., Ph. D. in Engineering) Virginia Howe.
Survey of broadcasting; radio speaking I & II; radio-TV programming; radio-TV production I & II; radio-TV writing I & II; radio-TV news; radio continuity; broadcasting music programs; sports broadcasting; station production & announcing; broadcasting women's programs; radio-TV management; radio-TV advertising; radio-TV audience; station traffic; music & continuity; introduction to TV; TV techniques; photography; news photography; research problems; physics for musicians; sound. The University also offers a full sequence of courses in electronics and electrical engineering.

*Offers degree as indicated.

*Kansas, University of, Lawrence. (B.A. or B.S.; M.A. or M.S.; Ph. D. in Speech; B.S.; M.S. in Engineering) Bruce A. Linton.
Radio workshop; TV workshop; introduction to radio-TV; radio acting; radio & TV speaking; radio production; radio & TV news & special events; radio & TV continuity writing; lab in radio; field practice in radio; radio & TV program planning; elements of advertising; radio & TV advertising; principles of TV production; lab in TV; cinematography; engineering electronics I & II; TV engineering; electronics laboratory; elements of electrical engineering; radio & TV in education; special projects in radio-TV programming; special projects in TV-film production; special projects in radio-TV advertising; research methods of commercial broadcasting; public responsibilities in broadcasting; seminar in broadcasting. (S)

Ottawa University, Ottawa. Katharine Pappas.
Radio workshop; introduction to radio broadcasting; physics radio workshop.

Southwestern College, Winfield.
Radio workshop I & II; introduction to radio broadcasting; individual projects in radio.

*Wichita, Municipal University of, Wichita. (B.A.) Kenneth Hadwiger.
Radio workshop; TV workshop; history of broadcasting; radio & TV news reporting; radio dramatic writing; radio station management.

K E N T U C K Y

*Kentucky, University of, Lexington. (B.A.) O. Leonard Press.
Radio workshop; radio orientation; radio & TV announcing; beginning & advanced production; radio & TV writing; radio journalism; station management; radio & TV advertising; radio regulations; proseminar; studio operations; radio engineering; cinematography. (S)

Murray State College, Murray. James S. Harris.
Introduction to broadcasting; beginning announcing; radio production.

*Offers degree as indicated.

LOUISIANA

Louisiana College, Pineville.
Fundamentals of radio; principles of radio broadcasting; radio production; radio & TV writing.

Louisiana Polytechnic Institute, Ruston. Paul J. Pennington.
Introduction to broadcasting; advanced radio techniques; radio production & performance; TV techniques; TV production & performance; communications engineering I & II; electronics; electronics lab.

Louisiana State University, Baton Rouge. Clinton W. Bradford.
Introduction to broadcasting; radio & TV acting; radio & TV announcing; radio production & directing; radio & TV writing; radio news; TV production; TV news; radio engineering; communication engineering; instrumentation & control; information theory & application; engineering electronics; electroacoustics; circuits & components. (S)

***Loyola University, New Orleans. (B.S.S.) Rev. Francis A. Benedetto, S.J.**
Preparation for careers in radio-TV; radio acting & directing; fundamentals of radio speech; radio announcing; radio programming; radio script writing; dramatic interpretation; advanced acting; personnel management; radio advertising; introduction to marketing; TV drama; TV script writing; TV play direction & production; electronics and radio physics; practical electronics; radio physics.

McNeese State College, Lake Charles. Ralph Squires.
Radio-TV workshop; fundamentals of radio-TV; radio & TV production; radio & TV script writing; radio-TV acting; stagecraft; introduction to reporting.

Northeast Louisiana State College, Monroe. James W. Parkerson.
Introduction to radio & TV; radio & TV programming; radio & TV laboratory; makeup for stage & TV.

*Offers degree as indicated.

LOUISIANA (Continued)

Northwestern State College of Louisiana, Natchitoches. Edna West; Frank Magers.
Radio workshop; introduction to radio; directing radio activities; radio news; practical journalistic work; popular program content; radio activity; maintenance and repair; "ham" broadcasting; electronic circuits for industrial devices; industrial education electronics I - IV; communication electronics I & II; fundamentals of electron tubes & circuits. (S)

Southern University, A. & M. College, Baton Rouge. Jesse L. Murry.
Elementary electronics; radio receiving circuits; FCC rules & regulations; radio servicing lab; radio transmitter circuits; electronic measurements; broadcast & sound systems; TV principles & practice; TV servicing lab.

*Southwestern Louisiana, University of, Lafayette. (B.A. in Speech)
Albert L. Capuder.
Broadcasting workshop; survey of radio-TV broadcasting; radio & TV drama; radio & TV speaking; radio & TV announcing; radio production; radio & TV continuity writing; radio-TV music; introduction to TV broadcasting; TV production & direction; equipment of radio & TV broadcasting. (S)

Tulane University, New Orleans. Dan W. Mullin.
Radio & TV in society; news writing & editing for broadcasting; writing for TV; adult seminar.

MAINE

Maine, University of, Orono. Robert K. MacLauchlin.
Radio workshop; radio speaking; introduction to radio & TV; writing for broadcast; broadcast procedures; broadcast production; broadcast programming; teaching by radio & TV; electronics; advanced electronics; elements of communication; communication engineering; radio frequency energy transmission; radio frequency electronics; radio lab; electroacoustics.

*Offers degree as indicated.

MARYLAND

Baltimore Junior College, Baltimore. Clarence T. De Haven.
Introduction to radio; radio production; radio script writing; introduction to TV; TV production; elements of radio transmission; elements of radio communication. (S)

*Maryland, University of, College Park. (A.B., M.A. in Speech)
George F. Batka.
Introduction to radio-TV; radio announcing; radio production; radio writing; radio in retailing; TV workshop; TV direction; principles of TV production; TV news & public affairs; analysis of broadcasting processes & results; station management; seminar in broadcasting; special problems in broadcasting. (S)

Morgan State College, Baltimore. Arthur Clifton Lamb.
Radio broadcasting; radio announcing; advanced radio direction & programming.

MASSACHUSETTS

*Boston University, Boston. (B.S., M.S. in Communication Arts)
Melvin Brodshaug.
TV dramatic workshop; educational TV workshop; radio skills; radio station operation; advanced radio operation; broadcasting in U.S.; international broadcasting; comparative broadcast systems; introduction to rhetoric; broadcast announcing; broadcast programming; professional writing; script writing; dramatic writing; news and continuity writing; programmed radio music; radio documentary; broadcast managment; broadcast advertising; communication law; social aspects of mass communication; TV studio skills; closed circuit TV operation; TV directing; photography; design; film production for TV; survey of film.

*Offers degree as indicated.

*Emerson College, Boston. (B.A., B.S. in Speech) Stuart A. Postle.
Broadcasting workshop; TV workshop; introduction to broadcasting arts; broadcasting announcing; advanced broadcasting announcing; advanced radio production; broadcast programming; broadcast program planning & evaluation; creative writing; broadcasting news; continuity writing; broadcasting for women; broadcast station organization; advertising; broadcasting & society; control room procedures; TV acting; TV production; pronunciation for broadcasting; TV performance; commercial broadcasting; advanced radio production projects; advanced TV production; thesis research in broadcasting; broadcasting techniques; teaching with TV; educational uses of radio & TV. (S)

*Lowell Technological Institute, Lowell. (B.S. & M.S. in Electrical Engineering) Carl A. Stevens.
A four-year comprehensive program in electronic engineering of which the following is a partial list of subjects:
Fundamentals of electrical engineering; electronics; electromagnetics; engineering mathematics; microwave electronics; communication electronics; pulse and digital circuits; solid state physical electronics; logical design of digital computers; control system engineering; electromechanical engineering; electronic project laboratory.

*Massachusetts Institute of Technology, Cambridge. (S.B., S.M., E.E., Sc. D., Ph. D. in Engineering) Carlton E. Tucker.
Energy transmission & radiation; image transmission systems; pulse circuit analysis; principles of communication; communication system engineering; radar system engineering; beam type microwave tubes; electromagnetic theory; antennas; principles of pulse circuits; statistical theory of nonlinear systems; statistical theory of communication; statistical theory of noise & modulation; statistical theory of information; advanced topics in information theory; modulation theory; transistors; engineering application of field theory; microwave circuits; propagation of radio waves I & II.

Massachusetts, University of, Amherst. Arthur Niedeck.
Fundamentals of broadcasting; advanced radio production; TV programming and production I & II; writing for TV; film production and staging for TV; electronics.

*Offers degree as indicated.

MICHIGAN

Albion College, Albion. J. B. Duckworth.
Radio workshop; introduction to radio broadcasting; radio & society.

Alma College, Alma. M. Harold Mikle.
Radio workshop; radio techniques; radio dramatics; radio production.

Central Michigan University, Mount Pleasant. Elbert Bowen.
Radio & TV studio procedures; the broadcasting industry; radio & TV speaking; radio production; radio & TV news writing; TV program production. (S)

*Detroit, University of, Detroit. (A. B. in Communication Arts)
William J. Murphy.
Radio & TV workshop; radio & TV performance; news writing for radio & TV; writing for radio; music for radio & TV; advertising radio & TV; advertising campaigns; introduction to communication arts; radio & TV in education; TV program planning; production & direction; creative writing for TV; basic writing for TV; fundamental radio & TV; TV techniques; criteria of mass communication. (S)

Eastern Michigan University, Ypsilanti. William Work.
Introduction to radio & TV; radio & TV broadcasting; TV in education; TV techniques for the classroom teacher. (S)

Flint Community Junior College, Flint. Ola B. Hiller.
Radio production workshop; basic radio studio skills; development of American broadcasting; introduction to mass media; fundamentals of electronics; electronic controls; radio (AM & FM circuits); basic TV electronics; industrial electronics; microwaves.

Marygrove College, Detroit. Sister Kevin Marie.
Radio-TV workshop; introduction to broadcasting; advanced techniques in broadcasting; radio acting; radio speech; creative writing; news writing.

*Michigan College of Mining & Technology, Houghton. (B.S. & M.S. in Electrical Engineering) George Swenson.
Radio station operation; elements of electronics and controls; communication circuits; electronics; radio engineering; radio design; vacuum tube theory; microwave devices.

*Offers degree as indicated.

*Michigan State University, East Lansing. (B.A., M.A. & Ph. D.) Leo Martin.
Foundations of broadcasting; fundamentals of radio broadcasting I & II; fundamentals of TV broadcasting I & II; radio & TV announcing; TV & radio news; radio & TV continuity writing; techniques of radio production; radio & TV station management; TV & radio advertising; radio & TV station programming; broadcasting regulations & responsibilities I & II; broadcasting, film, and the public; international broadcasting; evaluation and criticism in broadcasting and film; radio & TV in education; high school radio workshops; TV staging; TV production; TV directing; history of the motion picture; utilization of film in TV broadcasting; research and seminars in broadcasting and film. (S)

*Michigan, University of, Ann Arbor. (A.B., M.A. & Ed. D. in Speech) Edgar E. Willis; Garnet R. Garrison.
Introduction to radio & TV; radio & TV acting; radio & TV speaking; elements of radio & TV directing; dramatic writing for the radio & TV; radio & TV news & special events; continuity writing for radio & TV; advanced TV writing; radio & TV station management & program policies; teachers' workshop in educational TV production; teachers' workshop in educational utilization; history of radio & TV; TV production techniques; advanced TV directing; proseminar in radio, TV, and film production; seminar in radio & TV. (S)

Siena Heights College, Adrian. Sister M. Leonilla.
Radio workshop; introduction to radio; writing for radio; radio production; radio techniques; creative broadcasting; educational broadcasting; audio-visual education.

*Wayne State University, Detroit. (B.A., M.A. & Ph. D. in Speech & Mass Communications) Paul Rickard.
Mass communications workshops; advanced radio & TV workshop; introduction to mass communications; radio & TV acting; radio & TV speaking; radio & TV production; radio & TV writing; radio and motion picture techniques in music; advanced radio & TV speaking; advanced radio & TV writing; advanced radio & TV acting; utilization of radio & TV in classroom teaching; introduction to radio & TV; radio & TV production facilities; TV program development; radio & TV direction; radio & TV studio operations; writing for stage, screen and radio; fundamentals of film production; history and appreciation of motion pictures; TV art; seminar in radio & TV; problems in TV. (S)

*Offers degree as indicated.

MICHIGAN (Continued)

*Western Michigan University, Kalamazoo. (B.A. in Speech) Robert Paul Dye.
Workshop in educational TV; radio production; dramatic writing; radio & TV journalism; advertising; advertising copy; broadcasting regulations; introduction to broadcasting; mass communication; world systems of mass communication; educational broadcasting; introductory radio; introductory TV; communication electronics; advanced TV; color TV. (S)

MINNESOTA

Mankato State College, Mankato. John Hodowanic.
Radio workshop; radio speech project; planning & presentation of radio programs.

Minnesota Bible College, Minneapolis. Herald Haskell.
Radio workshop; introduction to radio & TV; radio speech & preaching; advanced radio production; radio-TV program planning.

*Minnesota, University of, Minneapolis. (B.A., M.A. & Ph. D. in Speech) E. W. Ziebarth.
Development of radio & TV communications; radio & TV production; radio & TV speech; radio & TV programming; radio & TV script writing; writing radio & TV drama; radio news & public affairs; mass communications & news; news interpretation for radio & TV; radio & TV station administration; advertising for radio & TV; advertising media analysis; current advertising development & problems; mass communication theory; public opinion & propaganda; freedom of the press & communications; production of TV drama; TV news & public affairs. The University also offers a complete curriculum in electrical engineering (S)

St. Mary's College, Winona. Brother J. Raymond.
Fundamentals of broadcasting; radio acting; radio writing; fundamentals of electronics.

St. Olaf College, Northfield. T. F. Nelson.
Radio & TV communication; radio production; survey of speech arts.

*Offers degree as indicated.

MISSISSIPPI

Mississippi College, Clinton. H. B. Todd.
Radio-TV workshops; fundamentals of radio broadcasting; radio & TV writing; radio & TV production.

*Mississippi Southern College, Hattiesburg. (B.S. & B.A.)
Bennett Strange.
Radio lab; history of broadcasting; introduction to radio-TV; radio drama; radio-TV announcing; radio-TV production techniques; radio-TV writing; radio-TV playwriting; radio-TV news; audience analysis; radio station management; radio-TV advertising; radio-TV law; mass communication & public opinion; TV production; TV drama; mechanical basis of broadcasting. (S)

Mississippi State College for Women, Columbus. Harvey Cromwell.
Radio lab; fundamentals of radio; radio-TV; writing for radio; advanced writing & practice; problems in mass communications.

Mississippi, University of, University. Duncan Whiteside.
Radio workshop; fundamentals of radio & TV; radio speech; radio program production; station operation.

MISSOURI

Fontbonne College, St. Louis. Miss C. Schmelig.
Principles of broadcasting; radio & TV production; writing for TV.

*Kansas City, University of, Kansas City. (B.A.) Sam Scott.
Radio workshop; introduction to radio-TV; beginning acting; voice and diction; radio speech; fundamentals of broadcasting; radio-TV script writing; continuity writing; TV production techniques; special problems; basic electronics.

*Lindenwood College for Women, St. Charles. (A.B. in Speech)
Martha May Boyer.
Radio workshop; TV workshop; motion picture workshop; introduction to radio & TV; radio & TV announcing; radio & TV production; radio & TV program planning; radio writing; advanced radio writing; station management; radio & TV commercial station apprenticeships; broadcasting procedures.

*Offers degree as indicated.

MISSOURI (Continued)

*Missouri, University of, Columbia. (B.J., B.A., M.A. & Ph. D. in Speech or Journalism) Edward C. Lambert.
Radio workshop; TV workshop; principles of radio & TV; radio & TV speech; radio & TV programming; radio & TV production; staging techniques for TV and theatre; elementary and advanced design for stage and TV; principles of direction for stage and TV; advanced TV lab; radio & TV playwriting; radio & TV news; news processing; TV news lab; radio & TV special events; radio & TV advertising; TV commercial copy and promotion; station management; communications law; research. (S)

St. Louis University, St. Louis. C. R. Paterson.
Radio lab; introduction to radio broadcasting; radio announcing and newscasting; radio management and production; radio sales and advertising.

*Washington University, St. Louis. (B.S. & M.S. in Electrical Engineering) Richard F. Hartzell, Jr.
Workshop in TV; TV workshop for teachers; introduction to TV; radio and communication engineering I & II; communication and radio lab I & II. A complete sequence of courses in electrical engineering leads to above mentioned degrees.

MONTANA

*Montana State College, Bozeman. (B.S.) Hardy D. Berry.
Radio & TV announcing; introduction to film and TV; fundamental camera techniques; fundamental film editing; educational TV production; basic TV techniques; design for film and TV; history of motion pictures and TV; fundamental script writing; advanced script writing; fundamentals of photography; advanced film editing; motion picture processing and printing; advanced camera technique; film and TV direction; film and TV criticism; special effects; sound recordings; documentary films; special problems; senior production lab; special production projects; ETV techniques; electronics I, II, & III; transmission lines; microwave principles; circuits; advanced microwave theory; wire communications; communication circuits; applied electromagnetic theory I, II, & III; advanced electronic lab; VHF lab; microwave lab; advanced circuit theory; communication theory; advanced circuits; advanced electronic circuits; transistor electronics. (S)

*Offers degree as indicated.

M O N T A N A (Continued)

*Montana State University, Missoula. (B.A.) Erling S. Jorgensen.
Introduction to radio-TV; radio-TV speech; radio-TV production and direction; photography; studio operations; radio-TV continuity; newscasting; radio-TV public affairs; radio-TV advertising and management; advertising media; cinematography; radio-TV seminar; international communications; mass media in modern society; theories of communication; research.

N E B R A S K A

*Creighton University, Omaha. (B.S.; B.A., M.A. in Communication Arts) Rev. R. C. Williams, S.J.
Introduction to radio & TV; introduction to mass communication; law of the press, radio & TV; radio-TV news writing and editing; radio-TV news programming; mass media—radio & TV; radio-TV production procedures; advanced radio-TV production; radio interpretation; radio-TV announcing; radio-TV continuity writing; radio-TV playwriting; radio-TV program planning; advertising media writing; electronics.

Duchesne College, Omaha. Mother Mary McQueeny.
Radio-TV speech; radio-TV acting fundamentals; play production; writing workshop.

Nebraska State Teachers College, Kearney. Robert L. Larson.
Radio workshop; radio acting; radio speech; radio program production. (S)

*Nebraska, University of, Lincoln. (B.A. & M.A. in Speech; B.S. in Electrical Engineering) Howard S. Martin.
Radio-TV workshop; introduction to radio-TV; radio production; TV production; broadcasting and society; broadcast programming; broadcast drama; broadcast direction; advanced TV production; practicum in TV; seminar in broadcasting; radio journalism; TV journalism; radio & TV advertising; photography fundamentals; photography for TV production; research problems. Also offers four-year program in electrical engineering. (S)

*Offers degree as indicated.

N E B R A S K A (Continued)

Omaha, University of, Omaha. Paul D. Borge.
Radio & TV workshops; introduction to broadcasting; sales and program planning; TV techniques; advanced TV techniques; radio-TV news production; advanced radio-TV projects. (S)

Union College, Lincoln. Arthur Hauck.
Radio workshop; fundamentals of broadcasting; radio speech; radio physics.

N E V A D A

Nevada, University of, Reno.
Fundamentals of broadcasting; educational uses of radio & TV; law of the press; advertising copywriting; TV & radio advertising; journalism on the air; radio & TV speaking and dramatics; theory of radio & TV production and direction; radio & TV production; seminar in radio & TV. Also offers a full sequence of electrical engineering courses.

N E W J E R S E Y

Centenary College for Women, Hackettstown. Elizabeth Shimer.
Radio-TV workshop; advanced radio-TV workshop; acting; fundamentals of speech; theatre production.

Montclair State College, Upper Montclair. Thaddeus J. Sheft.
TV in education workshop I & II; radio and sound equipment in the classroom; selection and utilization of audio-visual materials; photography; advanced problems in photography; teaching materials workshop; educational motion pictures workshop; film and society.

Newark College of Engineering, Newark.
Radio engineering; radio frequency communications; fundamentals of electromagnetic waves; electroacoustics; sound recording and reproducing systems; electron tube circuits; feedback amplifiers; microwave transmission; microwave electronic systems.

NEW JERSEY (Continued)

Rutgers University, New Brunswick. Frederic E. Merwin.
Radio & TV news; radio & TV advertising; radio & TV broadcasting.

*Seton Hall University, South Orange. (B.A. in Communication Arts) Very Rev. Thomas J. Gillhooly.
Basic communication arts workshop; advanced communicative arts workshop; introduction to radio & TV; history of mass communication media; radio announcing; radio dramatics; radio production; writing for radio & TV; radio & TV news; music for radio; radio station management; radio & TV advertising; TV production; advanced TV production; mass communication media and law.

NEW MEXICO

Eastern New Mexico University, Portales. P. M. Bailey.
Radio and recording workshop; principles of radio production; radio programming; TV production.

New Mexico State University of Agriculture, Engineering, and Science, University Park.
History of broadcasting; radio script writing; station management; radio laboratory; electronics; electronics lab; advanced electronics; communications systems; communications theory.

*New Mexico, University of, Albuquerque. (B.F.A.) Wayne C. Eubank.
Introduction to radio-TV; production procedures in radio-TV; radio-TV drama production; advanced radio-TV drama production; advanced TV-radio production and direction; acting technique for stage, TV, and screen; makeup for stage and TV; TV & radio writing; broadcast programming and policies; seminar in radio & TV. The university also offers a complete sequence of courses in electrical engineering.

*Offers degree as indicated.

NEW YORK

*Adelphi College, Garden City. (B.A. in Speech and Dramatic Art) Donald J. Canty.
Introduction to radio & TV; radio & TV acting; radio & TV directing and producing; advanced radio & TV writing; radio & TV writing; TV workshop; TV communications; summer TV workshop; TV, radio, and film as aids to education. (S)

Briarcliff College, Briarcliff Manor. Helen M. Searle.
Radio workshop; drama workshop; fundamentals of speech; creative writing.

*Brooklyn College, Brooklyn. (B.A. in Speech and Theatre) Paul B. Williams.
TV & radio workshop; introduction to radio & TV; TV & radio performing; TV & radio production I & II; educational TV; TV staging and design.

College of Agriculture (Cornell University), Ithaca. Louis W. Kaiser.
Radio-TV workshop; radio broadcasting and telecasting; TV production and programming.

*Columbia University, New York City. (M.F.A.) Erik Barnouw.
Radio & TV speaking; communication through film, radio, & TV; professional internship; economics of TV & radio; TV rehearsal; the TV studio; TV writing; TV and film writing; TV and film criticism; motion picture and broadcasting proseminar; history and art of motion pictures; the documentary film; film production; advanced film production; film editing; animation workshop. (S)

Columbia University, Teachers College, New York. Paul W. F. Witt.
Preparation and production of educational TV programs; preparation and production of educational motion pictures; psychology of communication.

Cornell University, Ithaca. Louis W. Kaiser.
Radio broadcasting and telecasting; TV production and programming; radio and communication seminar; radio and communication lab I & II; radio waves I & II; radio and communication theory.

*Offers degree as indicated.

Good Counsel College, White Plains. Roberta Curry.
Radio workshop; radio speech; debate I & II; radio journalism I & II; radio drama.

Hofstra College, Hempstead. Frank Iezzi.
Introduction to broadcasting; advanced broadcasting; educational radio & TV for teachers; educational radio & TV production.

Hunter College, New York. Ota T. Reynolds.
Introduction to the arts of TV; advertising copy writing; TV writing workshop; history and development of motion pictures.

*Ithaca College, Ithaca. (B.S.) Royal D. Colle.
Radio & TV workshops; introduction to communications; radio announcing; radio program production; dramatic script writing; radio & TV news writing; radio & TV field work; station management; radio & TV advertising; communications in society; mass communication media; communication law; public opinion and communications; independent study.

New Rochelle, College of, Rochelle. Mother M. Margaret Crowley.
Radio workshop; radio production and TV techniques; advanced radio production and TV techniques.

New School for Social Research, New York. Arno Huth; Flora Rheta Schreiber.
Communication of ideas; TV writing workshop; seminar in communications and international relations; communications industry; radio & TV journalism.

*New York University, New York. (B.A., M.A. & Ph. D.)
Radio-television courses are offered chiefly in divisions as follows

I. COMMUNICATIONS ARTS GROUP. Richard Goggin, Acting Executive Officer.
A joint endeavor of three schools and colleges at Washington

*Offers degree as indicated.

Square: Washington Square College of Arts and Science, the School of Education, and the School of Commerce, Accounts, and Finance. Participating in the program are the Departments of Communications in Education; Dramatic Art; Journalism; Television, Motion Pictures, and Radio; the Center for Instructional Television, and the Graduate Institute of Book Publishing. Faculty and staff members of the participating departments hold joint appointments in the three schools, and courses taught by members of the group are available to students of all three schools. The purpose of this program is to offer richer opportunities to students interested in the communication arts or looking forward to careers in mass communications.

* Department of Television, Motion Pictures, and Radio. (Richard Goggin, Chairman)
Art and history of television, motion pictures, and radio; aesthetic problems; nondramatic and documentary writing; dramatic writing; advanced documentary and educational writing; advanced dramatic writing; writers workshop; beginning production; television production; motion picture production; radio production; production design; motion picture editing; program planning and building; special projects in educational, documentary, and dramatic production; announcing; station management and operations; critical and historical studies; graduate projects.
Cross Departmental: Communication arts in the modern world; radio and television news and features; directorial problems in television, motion pictures, and radio; acting for motion pictures and television.

* Department of Communications in Education: (Charles Siepmann, Chairman)
Workshop in instructional television; censorship and free speech; the mass mind; mass communication and education for democracy; television and education; mass persuasion; communications research.

II. DIVISION OF GENERAL EDUCATION AND EXTENSION SERVICES: Television and Radio Workshop. (Warren Bower, Assoc. Dean)
A noncredit program with related courses, for young men and women wishing to acquire vocational skills in broadcasting.

*Offers degree as indicated.

*Queens College, Flushing. (B.A.) Robert P. Crawford.
Radio & TV workshop; radio & TV orientation; radio & TV acting; broadcasting production; problems in broadcasting; radio & TV writing; educational radio & TV; mass communications; electronics. (S)

RCA Institutes, Inc., New York. Henry K. Warner.
Advanced electronics technology course—a 27-month full-time college level program with training objectives in design and development area; TV and general electronics course—a 1 1/2-year full-time vocational training program in receiver and transmitter maintenance and operation, and in industrial electronics applications; radio-TV servicing course—a 9-month full-time program for the serviceman including servicing of color receivers; radio-telegraph operation course—a 9-month full-time program for the radio-telegraph operator. (S)

*Rensselaer Polytechnic Institute, Troy. (B.E.E.; M.E.E.; Ph. D.)
Comprehensive courses in electrical engineering with option in communications.

Rosary Hill College, Buffalo.
Basic acting techniques; voice and speech training; radio & TV techniques.

St. Bonaventure University, St. Bonaventure. Russel J. Jandoli.
Journalism workshop includes radio; introduction to radio & TV; writing for radio & TV; electronics.

St. Lawrence University, Canton. Lawrence Reiner.
Introduction to radio & TV I & II; advanced radio & TV I & II; news and public affairs programming; educational TV; radio & TV projects I & II.

State University of New York Teachers College, Brockport. S. G. Swartout.
Radio-TV workshop; audio-visual, radio, & TV in education; advanced audio-visual, radio, & TV in education; principles of photography; production of photographic materials.

*Offers degree as indicated.

NEW YORK (Continued)

*Syracuse University, Syracuse. (A.B. or B.S. in Radio-TV; M.S. in TV; Ph. D. in Audio-Visual Education) Eugene S. Foster.
Survey of TV-radio broadcasting; announcing for TV-radio; producing the radio program; writers seminar for TV-radio; TV-radio news; continuity writing for TV-radio; introduction to writing and announcing for TV-radio; broadcasting special events on TV-radio; programming for TV-radio; advertising for TV-radio; broadcasting and the public interest; evaluation and criticism of TV-radio programs; honors in broadcasting; TV, radio, and education; producing the TV program; TV station operation; TV studio management; TV news and public affairs; writing the TV program; photography for TV; TV research; TV research seminar; cinematography; TV principles and practices; seminar in TV advertising; economic aspects of advertising; cinema appreciation; foundations of broadcasting; analysis of current problems in broadcasting; seminar in the philosophy of broadcasting; educational TV; radio engineering; TV principles; UHF engineering; TV engineering; principles of electronic devices; electronics; electron tube circuits; semiconductor electronics. (S)

NORTH CAROLINA

*North Carolina, University of, Chapel Hill. (B.A.; M.A. in Communication) Earl Wynn.
Radio workshop; TV workshop; fundamentals of radio, TV, and motion pictures; development of radio & TV I & II; voice training; radio production arts; radio production; writing for radio-TV and motion pictures I & II; radio-TV dramatic writing; radio-TV journalism; course for honors; creative programming; graduate production; graduate programming; broadcasting, promotion, and public relations; station management; social aspects of mass communications; critical analysis of radio-TV and motion pictures; seminar in communication; TV production arts; TV production; course for honors in writing; motion picture writing; photography; TV and motion picture photography I & II; motion picture production arts; motion picture production; media research methods; motion picture and TV performance; staging for TV and motion pictures I & II; social aspects of communication; research methods in mass communication; idea, form, and medium; nonfiction writing for radio & TV; problems in institutional aspects of broadcasting. (S)

*Offers degree as indicated.

NORTH CAROLINA (Continued)

North Carolina, University of, Woman's College, Greensboro. Emil Young.
Speech for drama and radio; TV production; writing for radio & TV.

Western Carolina College, Cullowhee. Paul J. Ritter.
Radio lab I-III; radio workshop; acting; basic radio production; TV writing; audio-visual aids. (S)

NORTH DAKOTA

North Dakota Agricultural College, Fargo. Robert L. Crom.
Introduction to TV; radio speech and drama; TV broadcasting; TV production; agricultural communication I & II; electromagnetic fields; antennas and waveguides.

*North Dakota, University of, Grand Forks. (B.A.; Ph. B.; M.A.)
John S. Penn.
Radio broadcasting; elements of radio-TV; radio acting; radio & TV announcing; radio production; radio & TV writing; radio news writing; radio & TV programming and management; TV production; lighting, costuming and makeup; elements of TV engineering; communications engineering; communication lab; communications networks; electronics; ultrahigh frequency techniques. (S)

OHIO

Akron, University of, Akron. Ray H. Sandefur.
Radio speaking; radio production; advanced radio production; electronics I-III.

Ashland College, Ashland. W. H. Miley.
Radio workshop; introduction to radio broadcasting; radio writing; radio newscasting; radio drama production; radio directing and programming; announcing and broadcasting.

Bowling Green State University, Bowling Green. Duane E. Tucker.
Radio workshop; radio & TV broadcasting; introduction to radio announcing; radio production-direction; radio problems; radio news writing and editing; TV studio operations and programs; special studies in TV; TV speaking; TV performance. (S)

*Offers degree as indicated.

*Case Institute of Technology, Cleveland. (B.S., M.S. & Ph. D. in Electrical Engineering) John R. Martin.
The Institute offers a complete sequence of courses in electrical engineering and electronics.

Cincinnati, University of, Cincinnati. Joseph Sagmaster.
History and principles of radio & TV broadcasting; fundamentals of speech; play production; playwriting; news writing and reporting; communications lecture I & II; communications lab I & II; electronics lecture I & II; electronics lab.

*Cincinnati, College of Music of, Cincinnati. (B.F.A.) Edward A. Schellhous.
History and principles of broadcasting; radio program lab; radio program production; radio-TV production and direction; radio-TV acting; announcing; dramatic writing; principles of continuity writing; news, sports, and special events; radio station operation; sales and promotion; TV station operation; TV sales and promotion; TV production; survey of TV equipment and lab; TV equipment operation and lab; audio equipment operation; TV studio operations; survey of educational TV programming; educational TV production; film editing and production; theatre workshop; public opinion and propaganda; FCC license survey. (S)

Dayton, University of, Dayton. George Biersack.
Fundamentals of radio; radio dramatics; fundamentals of TV; TV production; radio engineering fundamentals and lab; TV engineering fundamentals and lab.

Defiance College, Defiance. Benjamin P. Mehrling.
Broadcasting production laboratory; principles of broadcasting; radio & TV production; advanced radio & TV production.

John Carroll University, Cleveland. Vincent S. Klein.
Introduction to radio & TV; radio & TV programming; problems in radio & TV practice; continuity writing; basic circuit analysis; network analysis; microwaves; transistor physics and circuits; electronics; electronic circuits; modern electronics. (S)

*Offers degree as indicated.

*Kent State University, Kent. (B.S., B.A. & M.S. in Speech) Walton D. Clarke.
Radio workshop; radio-TV history and law; introduction to broadcasting; radio-TV speaking; producing radio programs; radio-TV programming; radio-TV script writing; radio-TV copy writing; broadcasting internship; radio-TV station management; contemporary problems in radio-TV; radio-TV audience; radio & TV in education; TV program production; directing the TV program.

*Miami University, Oxford. (B.S., M.S.; M.A.) Stephen C. Hathaway.
Radio workshop; TV workshop; introduction to broadcasting; radio techniques; radio dramatic production; radio speaking; radio program planning; radio dramatic writing; radio & TV writing; independent reading in radio; radio seminar in management; minor problems in radio & TV; workshop for teachers in radio-TV broadcasting; radio & TV in modern society; principles of photography; analysis of TV markets; principles and applications of vacuum tubes; electricity and magnetism; advanced electronics; radio theory and practice; potential theory and boundary value problems.

*Ohio State University, Columbus. (B.A., M.A. in Speech or Journalism; Ph.D. in Speech; B.S., M.A., M. Ed., Ph. D. in Education) Harrison B. Summers; I. Keith Tyler.
Radio workshop; introduction to radio; radio & TV speech; radio & TV production and directing; radio & TV drama; radio & TV writing; writing and editing radio & TV news; advanced radio & TV news writing and editing; radio lab practice; radio & TV broadcasting problems; special radio & TV news problems; journalism practice (radio); radio & TV advertising; broadcast programs and audiences; minor problems in radio & TV programming; radio & TV program planning; radio & TV program policies; writing for TV; TV production and direction; advanced TV production and direction; photography for TV; motion picture photography; seminar in radio & TV programming; seminar in journalism (radio); radio & TV in education; minor problems in radio & TV education; seminar in radio & TV education; law of the press, radio, & TV. The university offers a complete curriculum of technical courses in the College of Engineering. (S)

*Offers degree as indicated.

*Ohio University, Athens. (A.B., B.F.A., A.M., M.F.A. in Journalism; Ph.D. in Speech) Vincent Jukes.
Radio workshop; introduction to radio-TV; station organization and procedures; radio speech; radio production-direction; radio news writing and editing; radio-TV news practice; broadcasting and the public; principles of TV production; TV news production; radio-TV advertising and management; document and continuity writing; writing radio & TV drama; advanced radio production-direction; TV production-direction; advanced TV production-direction; TV graphics and design; TV recording; instructional methods in educational radio-TV; radio-TV programming; radio & TV in education; seminar in history of broadcasting; seminar in programming and criticism; seminar in research measurement and design; radio-TV broadcasting mechanics; equipment control and operational procedures. Full sequence of courses offered in electrical engineering. (S)

Ohio Wesleyan University, Delaware. Donald C. Eyssen.
Introduction to radio-TV; radio production; radio announcing and acting; advanced radio production; radio & TV writing; seminar in radio-TV.

Otterbein College, Westerville. James A. Grissinger.
Techniques of radio production; special problems; radio-TV speaking; the nature of radio-TV.

Toledo, University of, Toledo. A. R. Bitter.
Educational TV in the classroom; TV production I & II; TV directing I & II; foundations of broadcasting; radio communication circuits; technical TV operation and maintenance I & II. (S)

Western College for Women, Oxford. Mrs. William I. Duncan.
Radio workshop; introduction to radio; radio program production; radio writing; advanced radio program production; physical principles of radio; principles of electronics.

*Western Reserve University, Cleveland. (A.B., M.A. in Radio-TV) Barclay Leathem.
Radio workshops; radio performance and production; radio & TV writing; radio & TV station management; radio & TV program policy; TV workshop I & II; elements of TV; TV production; radio & TV programming and audience analysis.

*Offers degree as indicated.

O H I O (Continued)

Wooster, College of, Wooster. Winford B. Logan.
Radio speech and drama; TV & radio survey; independent study in radio & TV.

O K L A H O M A

Oklahoma City University, Oklahoma City. Jacob D. Hoover.
Beginning broadcasting; radio & TV program types; announcing; advanced announcing; radio & TV news; radio & TV writing; radio & TV advertising; radio & TV production procedures. Also offers electronics courses.

Oklahoma College for Women, Chickasha. Grant Kilpatrick.
Radio fundamentals; radio program production; radio writing; TV program production.

*Oklahoma State University of Agriculture and Applied Science, Stillwater. (B.S.) Robert P. Lacey.
Introduction to broadcasting; acting; radio & TV speech; radio-TV production; creative writing; news and special events; special problems in radio & TV; radio & TV writing; costume and make-up; lighting; design for theatre and TV; station participation; broadcast programs and audiences; program planning; broadcast audience research; broadcast law; photography; advanced photography. The University School of Radio Technology offers two years intensive training in engineering for the radio-TV field leading to an A.A. degree.

*Oklahoma, University of, Norman. (B.A., M.A. in Speech or Journalism; Ph. D. in Speech; B.F.A., M.F.A. in Drama
Sherman P. Lawton.
Radio workshop; TV workshop; radio orientation; radio acting; program types for radio-TV; radio-TV announcing; radio & TV production; directing; radio-TV dramatic writing; radio news writing; continuity writing for radio-TV; radio music; broadcasting station management; radio-TV advertising; salesmanship for radio-TV; research in radio-TV; station promotion and merchandising; seminar in radio-TV; audio-visual materials and equipment education; broadcasting for teachers; administration of an audio-visual program; beginning TV; scene writing for TV; photography; nondramatic production for TV; scene production for TV; elements of radio engineering.

*Offers degree as indicated.

O K L A H O M A (Continued)

*Tulsa, The University of, Tulsa. (A.B.; M.A.) Beaumont Bruestle.
Broadcasting fundamentals; radio announcing; radio production; broadcast writing; TV & radio newswriting; advanced radio & TV news; control room techniques; fundamentals of TV; TV production; station management.

O R E G O N

Lewis and Clark College, Portland. Cornelius A. Sabin.
Radio-TV workshop; radio speech and production; radio advertising; elementary radio engineering; electronics.

Linfield College, McMinnville. R. D. Mahaffey.
Radio speech; radio production; photography; electricity and magnetism.

Oregon State University, Corvallis. Harold M. Livingston.
Radio projects; radio speaking I-III; audio-visual aids in TV; basic TV; TV programming; TV projects; radio & TV engineering I-III; TV; communication engineering I-III.

*Oregon, University of, Eugene. (B.A., M.A., B.S., M.S., and Ph. D. in Speech) Glenn Starlin.
Radio-TV workshop; TV workshop; radio workshop; workshop in educational TV; radio-TV production; radio-TV direction; radio-TV news; radio-TV script writing; radio-TV program evaluation; research; thesis; seminar; radio-TV station management; radio-TV advertising; radio, TV, and the public; theory and criticism of broadcasting; radio-TV programming; lighting for TV; TV news photography.

*Pacific University, Forest Grove. (B.A. in Speech) Fred Scheller.
Radio workshops; introduction to broadcasting; radio drama; radio writing and production; newswriting; special problems in radio & TV; radio-TV administration; public relations; principles of advertising; uses of radio & TV in the classroom; electronics; musical acoustics.

*Offers degree as indicated.

O R E G O N (Continued)

Portland, University of, Portland. Paul E. Ouellette.
Radio-TV workshop; radio-TV speech; advanced radio-TV practices; radio-TV drama.

Willamette University, Salem. Carl Ritchie.
Radio workshop; radio speech; program production; radio writing.

P E N N S Y L V A N I A

Annenberg School of Communications (see University of Pennsylvania)

*Duquesne University, Pittsburgh. (B.A. in Journalism) C. S. McCarthy.
Radio & TV workshops; principles of radio & TV; radio & TV announcing; radio & TV production; TV programs; radio & TV dramatic writing; radio & TV news writing; radio & TV writing; radio & TV news and special events; radio & TV station administration; radio & TV advertising; radio-TV education; TV production techniques. (S)

Geneva College, Beaver Falls.
Radio broadcasting workshop; introduction to radio & TV; radio acting.

Mount Mercy College, Pittsburgh.
Radio & TV workshops; introduction to radio; fundamentals of radio broadcasting; introduction to TV.

*Offers degree as indicated.

*Pennsylvania State University, University Park. (A new inter-departmental broadcast major leads to B.A., M.A., M. Ed., D. Ed. & Ph. D. in Speech; B.A., & M.A. in Theatre Arts; B.A., M.A. & M. Ed. in Journalism; B.A., M. Ed. & D. Ed. in Education.) Marlowe Froke, Broadcasting; Robert T. Oliver, Speech; Walter Walters, Theatre Arts; Eugene Goodwin, Journalism; Gerald Torkelson, Education.
(Broadcasting and Speech) Broadcasting techniques; broadcasting in the United States; radio & TV announcing; creative broadcasting; introductory speech course in broadcasting; radio programming and performance; radio & TV programming; TV programming and performance.
(Journalism) Introduction to mass communication; understanding the mass media; news writing and reporting; advanced news writing and reporting; promotional advertising for media; broadcast news; radio & TV advertising; news and advertising practice on a commercial radio station; law of mass communications; media management; advanced television news.
(Theatre Arts) The dramatic arts in the mass media; introduction to motion picture techniques; history and appreciation of motion pictures; radio drama; TV drama.
(Educational Services) Preparation of educational still pictures; scripting and shooting educational motion pictures; editing and sound recording in the production of educational motion pictures; radio & TV in education.

*Pennsylvania, University of, Annenberg School of Communications, Philadelphia. (M.A. in Communications) Gilbert Seldes. The public and the "public interest"; mass communications in the growth of America; the mass media in contemporary America; theory of mass communication; mass communications and education.

Pennsylvania, University of, Philadelphia. Charles Lee. Radio-TV workshop; radio & TV journalism; radio & TV writing; fundamentals of radio & TV engineering; communication engineering; advanced radio engineering; advanced TV engineering; advanced communication engineering; electronics; advanced electronics.

*Offers degree as indicated.

PENNSYLVANIA (Continued)

Spring Garden Institute, Philadelphia. John F. O'Connor.
Electronics; electronics and fields; associated equipment; electronics lab; fundamental electronics; industrial electronics; applied industrial electronics; communication fundamentals; industrial electronics lab.

*Temple University, Philadelphia. (B.S. in Communication; B.A., M.A. in Radio & TV) John B. Roberts.
TV & radio acting; communication fundamentals; radio-TV announcing; elementary radio production; radio directing; introduction to TV; TV & radio program planning; dramatic TV production; problems in production; TV production; TV & radio dramatic writing; TV & radio continuity writing; problems in writing; TV & radio news; music for TV; communication research; communication media and society; communication arts; communications methodology in education; radio & TV in elementary classrooms; communication research in education; fundamentals of electronics; AM transmitters, AM receivers; electronic circuits; transistor theory; FM transmitters; color TV; principles of TV; TV broadcasting; TV lab; microwave relay; vacuum tubes and transistors; electronic tests and measurements. (S)

Westminster College, New Wilmington. Charles Cox.
Fundamentals of broadcasting; announcing for broadcasting; radio production; broadcast continuity.

RHODE ISLAND

Brown University, Providence.
Electrical transmission and microwave networks; electrical network theory; communication electronics; microwave electronics; electric power systems; electricity and electronics; acoustics; intermediate electricity and magnetism.

Providence College, Providence. Rev. Edward B. Halton.
Electromagnetism; electronic devices and circuits; electronics; UHF measurements; special problems in electronics: electronic techniques for physical research.

*Offers degree as indicated.

RHODE ISLAND (Continued)

Rhode Island, University of, Kingston. John F. Price.
Broadcasting in America; fundamentals of broadcasting; agricultural communications; communication systems; fundamentals of electronics; electronics I & II; advanced electronics (control); advanced electronics (communications); principles of pulse and switching circuits.

SOUTH CAROLINA

*Bob Jones University, Greenville. (B.A.; M.A.) Robert E. Pratt.
Radio & TV workshop; introduction to radio & TV; history of radio & TV; radio acting; radio & TV performance; radio announcing; radio & TV program planning and writing; station management; radio & TV advertising; marketing principles and analysis; problems in radio & TV; graduate study projects; seminar in problems of radio & TV; religious radio production; radio producting directing; special problems in producting directing; fundamentals of TV; screen and TV writing; make-up for motion pictures and TV; pulse techniques; control room techniques; electrical theory; radio transmitters; radio receivers; radiation and input equipment; broadcast engineering seminar.

Clemson Agricultural College, Clemson. (Communications option in four-year electrical engineering program) Walter L. Lowry, Jr.
Electronics I & II; electronics lab I & II; transients and servomechanisms; radio communications; radio communications lab; industrial electronics; industrial electronics lab; radiation and wave propagation I & II; transients in linear systems; advanced electronic circuits; transistor theory and application.

South Carolina, University of, Columbia. W. R. Ferris.
Communications engineering; communications circuits; electronics I & II; electronic devices I & II; industrial circuits I & II.

*Offers degree as indicated.

SOUTH DAKOTA

Augustana College, Sioux Falls. Clara Chilson.
Fundamentals of radio broadcasting; radio speech; radio in education; special methods; elements of electronics.

*South Dakota School of Mines and Technology, Rapid City.
Offers curriculum leading to a B.S. in Electrical Engineering with an electronics option.

*South Dakota, University of, Vermillion. (B.A., M.A. in Speech) Martin P. Busch.
Radio workshop; TV workshop; American system of radio-TV; radio-TV-film performance; radio-TV programming; playwriting; radio-TV-film writing; radio-TV reporting; radio & TV in education; TV production; advanced TV production; film production; advanced film production; film history and criticism; film editing; station management and practices; elementary electronics; electronics. (S)

Southern State Teachers College, Springfield. Donald McMillan.
Radio acting; radio speech; play production; basic electrical radio regulations; radio & TV circuits; TV circuits; networks and communication circuits; basic instruments and servicing; TV instruments and servicing laboratory.

TENNESSEE

Carson-Newman College, Jefferson City. R. F. Conklin, Jr.
Radio workshop; fundamentals of radio; radio production; elementary radio physics; introduction to electronics; advanced electronics; electricity and magnetism.

East Tennessee State College, Johnson City. Harold Frank.
Introduction to radio & TV; radio & TV continuity and advertising; beginning radio & TV production; radio & TV acting and directing; writing for radio & TV; advanced radio & TV production; electronics; advanced electronics.

Tennessee, University of Knoxville. Frank Allen Lester.
Introduction to radio & TV; radio-TV news; radio-TV writing; speech for radio & TV; program presentation for radio & TV; advanced TV presentation; advertising copy; radio-TV management.

*Offers degree as indicated.

TEXAS

*Abilene Christian College, Abilene. (B.A., M.A. in Speech) Lowell G. Perry.
Radio workshop; radio drama; radio & TV announcing; radio & TV production directing; radio & TV writing; religious radio broadcasting; fundamentals of radio & TV broadcasting; radio & TV history; seminar in broadcasting; TV production; advanced TV production; electronic tubes.

Agricultural and Mechanical College of Texas, College Station.
Radio news writing; communication engineering; broadcast systems; audio systems; electronics; design of special electronic circuits; theory and design of feedback networks; electron tube design; transistors; electrical computer machines; radiation and propagation; digital computer circuitry; UHF techniques.

Arlington State College, Arlington. R. L. Slauter.
Radio workshop; radio orientation; radio speech; radio program production; electronics; acoustics.

*Baylor University, Waco. (B.S., M.A. in Speech-Radio) George Stokes.
Radio-TV workshop; advanced radio-TV workshop; introductory radio & TV; problems in radio and speech; program planning; radio & TV production; advanced radio & TV production; radio & TV writing; radio & TV news; station management; film and TV; TV film workshop; film and TV production; radio & TV in religion. (S)

East Texas State College, Commerce. W. J. Bell.
Speech in radio broadcasting; radio news; TV broadcasting procedures; special events; motion picture photography workshop; TV in education. (S)

Hardin-Simmons University, Abilene. Robert H. Wilkerson.
Introduction to radio-TV; radio studio practice; continuity writing; radio drama; announcing; radio advertising and sales; program planning and building; fundamentals of photography.

*Offers degree as indicated.

*Houston, University of, Houston. (B.A.; B.S.; B.F.A.; M.A.) Patrick Welch.
Radio-TV workshop; introduction to broadcasting; radio & TV acting; radio-TV announcing; TV announcing; advanced announcing; sports announcing; radio-TV writing; radio-TV news writing and editing; advanced radio-TV news writing and editing; radio-TV continuity; music in radio & TV; radio & TV programming; radio-TV station management; radio-TV advertising; control room practices; communication ethics; radio-TV in education; TV production; advanced TV production; TV directing; TV dramatic production; films for TV; TV scenery and lighting; great classics in drama; video operation; advanced control room practice; station operation; TV studio operation; thesis.

North Texas State College, Denton.
Introduction to radio & TV; radio & TV programming; radio & TV production & direction; radio & TV writing.

Sam Houston State Teachers College, Huntsville. Charles A. Schmidt.
Radio workshop; basic microphone techniques; radio & TV script writing; movie photography; advanced movie photography; TV film workshop.

Southern Methodist University, Dallas. James B. McGrath, Jr.
Radio-TV workshop; problems of radio & TV acting; voice and diction; dramatic radio production; directing dramatic forms; radio writing; TV writing; fundamentals of radio engineering; electron tubes and circuits; advanced networks; advanced electronics; transmission lines; microwave generators.

*Texas Christian University, Fort Worth. (B.F.A. in Radio-Television) William Hawes.
Survey of broadcasting; radio production; TV production; radio & TV writing; radio & TV advertising; radio announcing; TV announcing; special problems in radio & TV I & II; problems in station management; TV internship; TV materials workshop.

*Offers degree as indicated.

Texas Technological College, Lubbock. Charles E. Buzzard.
Introduction to radio & TV; radio acting; radio speech; fundamentals of radio & TV broadcasting; radio & TV news writing; radio & TV advertising and continuity writing; principles of TV advertising; radio & TV program planning and management; TV program production; principles of advertising; vacuum tube circuits and systems; electric and magnetic fields; electrical transmission lines; vacuum tubes and associated circuits; advanced network theory; principles of electrical engineering; A.C. circuits; electronics; electronics lab.

*Texas, University of, Austin. (B.A.) Robert E. Summers.
Radio production; TV studio operation; programming for radio & TV; announcing styles and techniques; TV directing; writing for broadcasting; dramatic and documentary writing; the broadcast audience; film for TV; advanced TV production and directing; seminar in broadcasting; broadcast regulation and responsibilities; radio-TV station management; special projects in broadcasting; TV for the teacher; studies in speech and mass communication; music for radio & TV; radio-TV news; radio-TV advertising. (S)

*Texas Western College, El Paso. (B.A.) Virgil Hicks.
Radio-TV workshops; introduction to radio; radio-TV news processing; introduction to TV; telecommunications; dramatic script writing; TV production I & II; production in educational TV; TV-radio station management; seminar in telecommunications; radio listening as an aid to elementary teaching; radio listening as an aid to secondary teaching; preparation and presentation of radio programs for elementary grades; preparation and presentation of radio programs for high school; educational TV.

*Texas Woman's University, Denton. (B.A., B.S., M.A. in Speech) Josh P. Roach.
Radio workshop; TV workshop; radio program production; radio writing; radio news; radio advertising; station management problems; audio-visual instruction in secondary schools.

Wayland Baptist College, Plainview. Martin W. Landers.
Radio workshop; fundamentals of radio; radio speech; radio production; radio writing; fundamentals of TV.

*Offers degree as indicated.

West Texas State College, Canyon. Jack Walker.
Survey of radio & TV; radio & TV drama; radio & TV announcing; radio & TV directing; creative writing for radio & TV; commercial writing for radio & TV; radio & TV in education. (S)

U T A H

*Brigham Young University, Provo. (B.A., B.S., M.A., and M.S.) Tess M. Williams.
Radio & TV production workshop I & II; advanced TV production and direction workshops; introduction to radio & TV broadcasting; radio & TV announcing I & II; radio & TV programs and audience; beginning radio & TV production; radio & TV program writing; radio & TV projects; seminar in mass communications; selected readings in radio & TV; radio & TV law and program planning; history of radio & TV programming. (S)

*Utah State University of Agriculture and Applied Science, Logan. (B.S., M.S. in Speech or in Engineering) Burrell F. Hansen.
Introduction to radio-TV; radio production; radio & TV speech; TV production; advanced production; writing for radio & TV; radio-TV news writing; audience research; radio & TV in education; fundamentals of electronics; electronic circuits; lines and filters; network analysis; antennas; electroacoustics; radio propagation; network synthesis; pulse techniques; fundamentals of electrical waves; transistors; advanced electronic circuits.

*Utah, University of, Salt Lake City. (B.A., B.S., B.F.A., M.A., M.S., M.F.A., and Ph. D.) Keith M. Engar.
Introduction to radio & TV; radio production; radio-TV performance; advanced radio production; radio news writing; advertising copy; advertising; radio & TV station operations; radio & TV law; TV production I-III; radio & TV seminar. Summer educational TV workshop. College of Engineering offers complete curriculum for electrical engineering. (S)

*Offers degree as indicated.

VIRGINIA

Southern Seminary and Junior College, Buena Vista.
Radio workshop; radio orientation; radio speech; problems in speech and acting.

Union Theological Seminary, Richmond. Robert W. Kirkpatrick; Alden Aaroe.
Radio, TV, and religion; radio speech; advanced religious TV. (S)

Virginia State College, Petersburg. George W. Davis.
Teaching through radio & TV; fundamentals of electricity; radio and electronics; intermediate radio servicing; trade practice; survey of advanced electronics; principles of FM and TV; FM and TV service; advanced electronic servicing; electricity and electronics; basic radio; basic TV; radio & TV servicing.

*Virginia, University of, Charlottesville. (A.B., Ed. D.) George P. Wilson, Jr.
Radio workshop; introduction to broadcasting; radio production; dramatic radio writing; continuity writing; radio, TV, and society; communication arts; radio engineering; sound engineering; electronic survey.

Washington and Lee University, Lexington. O. W. Riegel.
Radio survey; TV survey; motion pictures; radio, TV, and film laboratory; radio-TV advertising; communication law; news writing; writing for mass media.

William and Mary, College of, Williamsburg. Charles M. Woodliff.
Educational TV workshop; introduction to radio & TV; TV writing and production I & II. (S)

WASHINGTON

Central Washington College of Education, Ellensburg. Jack Winans.
Radio workshop; introduction to radio-TV; radio-TV announcing; practical radio; elementary radio production; radio-TV studio operations; radio-TV project; radio-TV program planning and production; practical TV. (S)

*Offers degree as indicated.

Eastern Washington College of Education, Cheney. Daphne A. Dodds.
Introduction to radio techniques; speech for radio; advanced announcing; studio operation; radio program technical direction; radio station procedures; radio station operation; radio & TV problems; radio direction; radio acting and directing; advanced studio operations; radio program directing and producing; radio in the public school; radio continuity; applied radio copy; advanced radio continuity; radio commercial copy; radio news writing and editing; radio advertising; law of communications.

Pacific Lutheran University, Tacoma. Paul J. Steen.
TV workshop; radio & TV speaking; radio & TV production.

*Washington State University, Pullman. (B.A., M.A. in Speech)
Allen Miller.
TV workshop; radio announcing; radio-TV production; radio-TV script writing; radio-TV news writing and editing; radio-TV continuity; control room operation; survey of radio-TV; special events and sports broadcasting; seminar in radio-TV; advertising copy; advertising management; law of mass communication; radio-TV program planning; photo journalism.

*Washington, University of, Seattle. (B.A. in Communications)
Milo Ryan.
Radio-TV workshop; survey of radio-TV; radio speech; production; advanced production; dramatic writing; radio & TV news writing; radio continuity writing; commercial writing; radio station organization; radio & TV advertising; TV programming; TV production; TV writing; TV performance; TV and the school; TV staging and graphics. (S)

Wenatchee Junior College, Wenatchee. D. K. Sexon.
Radio workshop; radio & TV broadcasting; acting; announcing; radio writing; news writing.

*Offers degree as indicated.

WEST VIRGINIA

Marshall College, Huntington. Stephen D. Buell.
Fundamentals of radio-TV; radio-TV announcing; radio & TV production; radio & TV news editing; radio newscasting; radio, TV, and society; use of radio in the classroom; radio physics; radio laboratory; electronic physics; electronic laboratory.

Morris Harvey College, Charleston. Harry M. Brawley.
Radio-TV speech; radio-TV techniques; radio-TV program production.

Shepherd State College, Shepherdstown. Wade W. Banks.
Radio workshops; introduction to radio; educational broadcasting.

*West Virginia University, Morgantown. (B.A. in Speech; B.S. in Engineering) James H. Henning; C. B. Seibert.
TV workshop; introduction to broadcasting; radio & TV announcing; fundamentals of radio production; radio & TV continuity writing; radio & TV dramatic writing; fundamentals of TV production; microphone and recording techniques; production directing; radio & TV programming; problems in radio; problems in TV; introduction to mass communications; radio & TV advertising; radio & TV reporting I & II; TV news photography; TV film reporting and editing. Also offers complete sequence of courses in electrical engineering.

WISCONSIN

*Marquette University, Milwaukee. (B.A., M.A.) Raymond T. Bedwell, Jr.
Radio workshop; radio program production; social forces in broadcasting; introduction to broadcasting; broadcasting; theor, and practice; broadcasting in American society; creative writing for stage and TV; continuity and script writing; TV writing; radio writing; radio news writing; program planning and building; radio & TV program policies; radio & TV advertising; scenery and graphics; TV production; TV directing; proseminar in radio & TV; problems in broadcasting; internship in radio & TV; TV for teaching; teaching via TV; program planning for educational TV; audience research methods; communication systems; UHF techniques. (S)

*Offers degree as indicated.

Milwaukee Institute of Technology, Milwaukee. O. F. Schlaak.
TV workshop; introduction to telecasting; principles of TV production; TV production techniques; technical problems; electronics AM and FM; transmitters I & II; TV broadcast engineering I & II; electronics TV; crew assignments.

*Milwaukee School of Engineering, Milwaukee. (A.A.S., B.S.)
Fred J. Van Zeeland.
Offers 18-month course in electronics communications technology leading to Associate in Applied Science; and 36-month course in electrical engineering (communications option) leading to Bachelor of Science.

St. Norbert College, West De Pere. Lee J. Dudek.
Radio-TV workshop; introduction to radio-TV; radio & TV performing; speech arts; radio & TV production; radio & TV script writing; program planning and building.

Stout State College, Menomonie. Norman Zieman; Philip W. Ruell.
Radio & TV workshop; home economics on radio & TV; fundamentals of radio engineering; fundamentals of TV engineering; applied electronics; applied industrial electronics. (S)

Wisconsin State College at Eau Claire, Eau Claire. David Welker.
Broadcasting performance; advanced broadcasting performance; broadcast writing and production; advanced broadcast writing and production; broadcasting activities.

Wisconsin State College, Superior. Gayle Manion.
Radio workshop; acting; speech; announcing; program production; elements of broadcasting.

*Offers degree as indicated.

WISCONSIN (Continued)

*Wisconsin, University of, Madison. (B.A., M.A. in Speech or Journalism; Ph. D. in Speech) Ordean G. Ness.
Radio workshop; elements of radio broadcasting; radio, TV, and society; introduction to radio & TV; TV production and direction; radio dramatic production; TV dramatic production; seminar in radio & TV; music in radio; methods of audio-visual instruction; writing for radio; writing for TV; radio news writing; TV news preparation; farm and home radio writing; radio & TV advertising; classroom uses of radio & TV; fundamentals of electronics; circuits and networks; principles of electrical communication; advanced communication systems; electronics; principles of TV systems; electronics for communication engineering.

WYOMING

Wyoming, University of, Laramie.
Radio workshop; acting and makeup; oral reading; radio speech; voice training; beginning stagecraft; radio & TV drama; radio journalism; TV news; methods of communication; electrical engineering fundamentals; electronic devices; electronic networks; passive networks; industrial electronics; transistors; microwaves; fields and waves.

*Offers degree as indicated.

APPENDIX

TABLE I

UNIVERSITY DEPARTMENTS OFFERING RADIO-TELEVISION MAJORS LEADING TO UNDERGRADUATE AND GRADUATE DEGREES

Recognition of the importance of professional training opportunities for careers in broadcasting represents a prominent development in institutions of higher learning today. The following list of 12 types of schools and departments offering such courses is indicative of a growing trend.

TYPES OF SCHOOL, COLLEGE, OR DEPARTMENT	DEGREES OFFERED		
	BACHELORS	MASTERS	DOCTORS
Broadcasting	3	1	--
Communications	11	6	1
Education	2	3	4
Fine Arts	2	--	--
Journalism	9	7	2
Radio-Television	26	11	--
Radio-Television-Film	3	2	--
Speech	43	29	7
Speech and Drama	4	2	1
Speech and Mass Communication	1	1	1
Telecommunications	1	1	1
Theatre Arts	2	2	--

APPENDIX

TABLE II

INSTITUTIONAL FACILITIES AVAILABLE FOR STUDENT CLASSROOM/LABORATORY INSTRUCTION

Equipment and facilities are essential parts of professional training programs for careers in broadcasting. Some indication of the extent to which colleges and universities are so equipped is shown below;

TYPES OF EQUIPMENT AND FACILITIES	TYPE OF TRAINING INSTITUTION	
	GRANTING DEGREES	OFFERING COURSES
Radio stations	54	29
Television stations	24	4
Radio studios	1 13	54
Television studios	66	29
Television program production centers	6	--
Closed-circuit television	16	10
Film production	18	19
Video tape recorders	21	4
Audio-Visual laboratories	22	11

APPENDIX

TABLE III

TITLES AND FREQUENCY OF CORE COURSES IN BROADCASTING AS OFFERED IN DEGREE GRANTING INSTITUTIONS

Since there is no standardization of course titles in broadcasting education, individual titles are included as reported. To assist in identifying them they have been grouped under the following broad areas of emphasis.

AREAS OF EMPHASIS	NUMBER OF COURSES
ORIENTATION	**127**
Introduction to radio-television	102
Radio-television history	3
Broadcasting and society	6
World broadcasting and communication	1
Introduction to film and television	1
Communications law	11
Radio-Television history and law	3
WORKSHOPS	**86**
Radio workshop	23
Television workshop	22
Radio-television workshop	33
Advanced radio-television workshop	5
Educational television workshop	2
Television materials workshop	1
FILMS AND PHOTOGRAPHY	**46**
Motion picture history and criticism	2
Development of motion picture	6
Advanced motion picture development	1
Documentary and educational films	2
Motion picture techniques for television	6
Principles of photography	24
Photography in education	5

AREAS OF EMPHASIS	NUMBER OF COURSES
PERFORMING, PRODUCTION, WRITING	**616**
Radio announcing	22
Television announcing	10
Radio-Television announcing	22
Advanced radio-television announcing	7
Broadcast speech	37
Radio-television drama	23
Advanced radio-television drama	5
Radio production	52
Television production	50
Radio-television production	31
Advanced radio-television production	25
Problems in video-tape production	3
Program Planning	42
Radio directing	7
Television directing	13
Radio-television directing	15
Advanced radio-television directing	1
Radio writing	8
Television writing	9
Radio-television writing	36
Advanced radio-television writing	8
Radio-television dramatic writing	28
Radio-television journalism	10
Radio news writing	38
Television news writing	5
Radio-television news writing	40
Advanced radio-television news writing and editing	10
Radio-television continuity writing	9
Radio-television advertising	47
Radio-television and film writing	3

TABLE III (Continued)

AREAS OF EMPHASIS	NUMBER OF COURSES
MANAGEMENT	**86**
Station management	52
Station procedures	2
Studio operations	13
Sales administration	3
Sales promotion	3
Audience measurement	13
EDUCATION	**24**
Radio-television in education	12
Television in education	9
Studio teaching	2
Television in school and community	1
SPECIAL PROGRAM AREAS	**25**
Religious radio-television programming	4
Radio-television music	17
International broadcasting	4

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